Three-phase power systems portfolio

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Overview

Providing the highest levels of availability, reduced total cost of ownership, and improved energy efficiency.
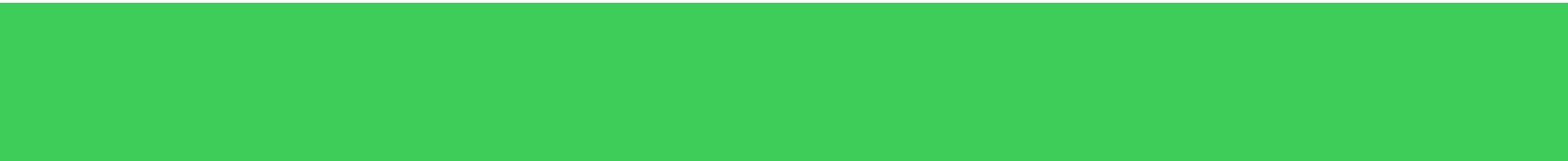
Schneider Electric is a world leader in power protection, solving today's energy challenges while setting the standard for quality and innovation with fully integrated solutions, enterprisewide networks, data centers, mission-critical systems, and industrial/manufacturing processes.

Our global portfolio of world-class products and services uniquely combines to offer end-to-end critical power solutions, providing customers with the highest levels of availability, reduced total cost of ownership (TCO), and improved energy efficiency throughout the life cycle of their installations.

HAZARD OF EQUIPMENT DAMAGE. These UPS systems are not compatible with — and should not be used to protect — regenerative loads (loads generating power back to the network), such as photovoltaic systems and speed drives. Failure to follow these instructions could result in equipment and/or UPS damage and would result in void of UPS warranty.

Contents

400 V/50 Hz three-phase product offers

Products, accessories, and services

Smart-UPS VT

10/15/20/30/40 kVA

Applications

- Small data centers
- Server rooms
- Commercial buildings, retail, and points of sale
- Medical server rooms and laboratories
- Government and institutions

Characteristics

Power rating	10/15/20/30/40 kVA
Output power factor	0.8
Battery	Integrated, maintenance-free, sealed lead acid
Parallel capability	Up to 4 units for capacity or redundancy
Front display	Multifunction LCD status and control console
Efficiency	96% at 100% linear load (+/– 0.5%)
Input voltage	380 – 440 V (3PH + N + G)
Output voltage	380 – 415 V (3PH + N + G)
Warranty	1 year

Features

- Compact form factor
- Reduced footprint
- High efficiency (96%)
- Scalable runtime — modular batteries
- Parallel for capacity or redundancy — up to 4 units
- Scalable architecture
- Front access serviceability
- Step load voltage stabilization
- Start-up service included

Options

- Matching empty frame for batteries
- Matching empty frame for transformer
- Single and parallel maintenance bypass panel — wall-mount
- Sub-feed distribution panel
- Network management card (AP9635) with environmental monitoring, Modbus, Teleservices

Dimensions

Product	H x W x D	Weight
UPS (wide tower)	1499 x 559 x 813 mm	629 kg max
UPS (narrow tower)	1499 x 356 x 813 mm	396 kg max
Parallel maintenance bypass	1174 x 560 x 216 mm	53 kg max
Matching empty frame for batteries or transformer	1487 x 523 x 837 mm	147 kg max

Three-phase UPS

Galaxy 3500

10/15/20/30/40 kVA

Applications

- Commercial buildings
- Transportation and infrastructures
- Telecommunication centers
- Technical facilities
- Industrial plants and process protection

Characteristics

Power rating	3:3 - 10/15/20/30/40 kVA; 3:1 - 15/20/30/40 kVA
Output power factor	0.8
Battery	Integrated, maintenance-free, sealed lead acid
Parallel capability	Up to 4 units for capacity or redundancy
Front display	Multifunction LCD status and control console
Efficiency	96% at 100% linear load (+/– 0.5%)
Communication	Network SNMP and environmental monitoring (AP9631), included
Input voltage	380 V – 440 V (3PH + N + G)
Output voltage	3:3 - 380 V – 415 V; 3:1 - 230 V
Warranty	1 year

Features

- 3:1 and 3:3 version available
- Compact form factor; reduced footprint
- Best-in-class efficiency (96%)
- Dual mains input
- User-replaceable batteries
- Input power factor correction
- User-replaceable air filters
- Start-up service included
- IP51 rating
- Sturdy 2 mm front panel

Options

- Matching external runtime frame
- Single and parallel bypass panel — wall-mounted (with 3:3 form factor only)
- Empty battery frame for third-party batteries
- Empty frame for third-party transformers
- Long life batteries (modular, 10 – 12 years Eurobat)
- Seismic brackets
- User-replaceable air filters
- Network management card (AP9635) with environmental monitoring, Modbus, Teleservices

Dimensions

Product	H x W x D	Weight
UPS (wide tower)	1490 x 523 x 838 mm	656 kg max
UPS (narrow tower)	1490 x 352 x 838 mm	306 kg max
External runtime frame	499 x 523 x 925 mm	776 kg max

Three-phase UPS

Symmetra PX 48 all-in-one

16/32/48 kVA

Applications		
• Data closet	• High-density zones	• Small/medium data centers

Characteristics	
Power rating	16/32/48 kVA/kW
Output power factor	1
Battery	VRLA
Parallel capability	None
Front display	PowerView™ local display
Efficiency	95%
Communication	UPS network management card (embedded)
Input voltage	380/400/415 V, three-phase + N + G
Output voltage	380/400/415 V, three-phase + N + G
Warranty	1 year

Features

- Single-rack design
- Swappable power modules
- Scalable batteries
- Front access only
- Swappable static bypass switch
- Modular power distribution with 18 poles
- Dual mains input, top or bottom feed
- Start-up service included
- TÜV-verified high efficiency (95% at 30% load)
- Network-manageable
- Redundant intelligence module

Options

- Extended runtime battery frames
- Modular power distribution units
- Secondary network management card HTTP(S)/Telnet/SSH/SNMP (1 & 3)

Dimensions	
H x W x D	1991 x 600 x 1070 mm
Weight without batteries or power modules	307 kg
Weight fully populated with batteries and power modules	796 kg

Three-phase UPS

Galaxy 300

10/20/30/40/50/60/70/80 kVA

Applications

- Commercial buildings
- Transportation and infrastructures
- Telecommunication centers
- Technical facilities
- Industrial plants and process protection

Characteristics

Power rating	10/20/30/40/50/60/70/80 kVA
Battery	Valve-regulated lead acid (VRLA), external battery cabinet
Parallel capability	Up to 2 units for redundancy
Front display	LCD with MIMIC LED display
Efficiency	Up to 93.5%
Communication	AP9630 network management card (included)
Input voltage	380/400/415 V
Output voltage	400/230 V

Features

- Dual feed input
- Easy to install
- Integrated network management
- Front access servicing

Options

- IP 21 Kit
- Dust filters
- Empty battery cabinets
- External battery breaker box (60/80 kVA models)

Dimensions

Available upon request

Three-phase UPS

Galaxy 5500

20/30/40/60/80/100/120 kVA

Applications

- Medium data centers
- Industrial plants
- Mission-critical environments
- Telecommunication centers

Characteristics

Power rating	20/30/40/60/80/100/120 kVA
Output power factor	0.9
Battery	Integrated, adjacent, remote, open rack, VRLA
Parallel capability	Up to 6 units for capacity or redundancy
Front display	Graphical display available in 18 languages
Efficiency	Up to 94% at 100% linear load (+/– 0.5%)
Communication	RS232, RS485, network SNMP, dry contacts
Input voltage	380 V – 440 V
Output voltage	380 V – 415 V
Warranty	1 year

Features

- All-in-one box configuration
- Dual input
- Step load voltage
- Bottom entry standard
- Front access electrical connections
- High power density design
- Input distortion management
- Internal maintenance bypass
- User-friendly multilanguage display

Options

- Matching adjacent empty battery cabinet
- Match adjacent battery cabinet
- Empty auxiliary cabinet
- External synchronization board (to use with static transfer switch)
- Parallel system bypass cabinet
- Backfeed protection
- IP32 pack
- Fan redundancy
- Input/output transformers in matching cabinet

Dimensions

Product	H x W x D	Weight
UPS without batteries	1900 x 712 x 850 mm	20 – 60 kVA = 400 kg 80 – 120 kVA = 520 kg
UPS with internal batteries	1900 x 1112 x 850 mm	20 – 60 kVA = 975 kg max 80 – 120 kVA = 1050 kg max
Empty battery/auxiliary cabinet		
Min	1900 x 712 x 850 mm	
Max	1900 x 1012 x 850 mm	
Transformer cabinet	1900 x 550 x 850 mm	527 kg max

Three-phase UPS

Symmetra PX 96/160

32/64/96/128/160 kVA

Applications

- Small/medium data centers
- High-density zones of large data centers

Characteristics

Power rating	32/64/96/128/160 kVA/kW
Output power factor	1
Battery	VRLA
Parallel capability	None
Front display	PowerView local display
Efficiency	95%
Communication	UPS network management card (embedded)
Input voltage	380/400/415 V, three-phase + N + G
Output voltage	380/400/415 V, three-phase + N + G
Warranty	1 year

Features

- Scalable power modules
- Scalable batteries
- Unity power factor corrected
- Dual mains input, top or bottom feed
- Start-up service included
- Swappable static bypass switch
- Redundant intelligence module
- TÜV-verified high efficiency (95% at 30% load)
- Network-manageable
- Highest energy density in its class

Options

- Integrated modular power distribution (36 poles)
- Additional modular power distribution (add up to two 300 mm PDUs with 72 poles each)
- Line-up/remote extended runtime battery frames
- Secondary network management card HTTP(S)/Telnet/SSH/SNMP (1 & 3)
- Classic battery cabinets
- Wall-mount maintenance bypass panels
- 300 mm maintenance bypass panel

Dimensions

H x W x D	1991 x 1800 x 1070 mm
Weight without batteries	955 kg
Weight with 6-min. runtime	2812 kg

Three-phase UPS

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Galaxy VM

160/200 kVA

Applications

- Mission-critical environments
- Small/medium data centers
- Industrial plants
- Telecommunication centers

Characteristics

Power rating	160/200 kVA (Up to 1000 kVA in parallel configuration)
Output power factor	0.9
Battery	Open rack, VRLA, wet cell
Parallel capability	Up to 4 units for capacity
Front display	LCD with MIMIC LED display
Efficiency	96.5% dbl conversion, up to 99% ECOnversion and ECO mode
Communication	Network SNMP, dry contacts
Input voltage	400 V
Output voltage	400 V
Warranty	1 year

Features

- ECOnversion technology up to 99% efficiency
- Seismic certified
- Fully integrates with Schneider Electric StruxureWare™
- Traditional and modular battery offers
- Single cabinet top and bottom cable entry
- Operates at 40 ºC without derating

Options

- Dust filter kit
- Fuse kits
- Wall-mounted battery breaker kit
- Battery cabinets
- Parallel system bypass cabinets
- Dry contact and Modbus cards
- Flywheel and lithium-ion (li-ion) battery compatible

Dimensions

Product	H x W x D	Weight
UPS	1970 x 1002 x 854 mm	699 kg = 160 kVA 724 kg = 200 kVA
Narrow modular battery cabinet	1970 x 370 x 854 mm	139 kg – without batteries
Wide modular battery cabinet	1970 x 700 x 854 mm	210 kg – without batteries
GVMMBTU – containing four modular batteries each with the following dimensions	114 x 137 x 808 mm	30 kg

Three-phase UPS

Symmetra PX 250/500

50 – 500 kVA

Applications

- Medium/large data centers
- Mission-critical environments

Characteristics

Power rating	One UPS: 50 kVA to 500 kVA, in 25 kVA increments; Fully populated parallel system: 50 kVA to 2 MW, in 25 kVA increments
Output power factor	1
Battery	VRLA
Parallel capability	Up to 4 UPS units, for capacity or redundancy
Front display	Localized 25.4 cm touch-screen display
Efficiency	96%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP or RS-485, dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	380/400/415 V, three-phase + N + G
Output voltage	380/400/415 V, three-phase + N + G
Warranty	1 year

Features

- Ultra-high efficiency in full protection mode (96% at 35% load, 95% at 25% load); up to 99% efficiency with ECO mode in good power conditions
- Scalable power modules
- Scalable batteries
- Unity power factor corrected
- Dual mains input, top or bottom feed
- Start-up service included
- Swappable static bypass switch
- Redundant intelligence module
- Module or system level N+1 redundancy
- No rear access required
- Network-manageable
- ECO mode option with up to 99% efficiency
- StruxureWare Data Center Expert compatible

Options

- Battery breaker enclosure
- Maintenance bypass with distribution cabinet
- Battery sidecar
- Extended runtime battery frames
- Bottom feed frame
- Modular power distribution
- External source synchronization

Dimensions

H x W x D	1991 x 600 x 1070 mm
H x W x D with 6-min. runtime	1991 x 5200 x 1070 mm
Weight without batteries	1722 kg
Weight with 6-min. runtime	8336 kg

Three-phase UPS

Galaxy 7000
250/300/400/500/1000 kVA

Applications

- Mission-critical environments
- Large/extra-large data centers
- Industrial plants
- Telecommunication centers

Characteristics

Power rating	250/300/400/500/1000 kVA
Output power factor	Up to 1
Battery	Lead-acid (vented, sealed), nickel-cadmium (NiCad), li-ion
Parallel capability (160 – 500 kVA UPS)	Up to 8 units, as integrated parallel or with centralized static switch
Front display	PowerView local display
Efficiency	95%
Communication	UPS network management card (embedded)
Input voltage	380/400/415 V, three-phase + N + G
Output voltage	380/400/415 V, three-phase + N + G
Warranty	1 year

Features

- Flexible and very adaptable
- Advanced electrical features
- Parallel capable
- High efficiency
- ECO mode
- Output synchronization to external source
- High availability architectures component
- SPoT (Smart Power Test)
- Efficiency booster mode

Options

- Top entry
- Battery coupling
- IP32
- Two backfeed options
- Centralized static switch cabinet
- Isolation transformer in cabinet
- System bypass cabinet
- Centralized static switch maintenance bypass cabinet
- Auxiliary and battery cabinets
- Coupling cabinet
- SKID

Dimensions*

Product	H x W x D	Weight
250 kVA	1900 x 1412 x 855 mm	990 kg
500 kVA	1900 x 1812 x 855 mm	1500 kg
1000 kVA	1900 x 5000 x 855 mm	3800 kg
Battery/auxiliary cabinets		
Min	1900 x 400 x 815 mm	
Max	1900 x 1412 x 815 mm	

*Dimensions do not include batteries.

Three-phase UPS

Galaxy VX
1000/1250/1500 kVA N+1

Applications

- Mission-critical environments
- Large/extra-large data centers
- Facility infrastructure
- Colocation facilities
- Finance, semiconductor, and manufacturing environments

Characteristics

Power rating	1000/1250/1500 kVA N+1 (400 V)
Input power factor	0.99% @ >40% load
Output power factor	1.0 kVA = kW
Battery	VRLA, flooded, li-ion
Parallel capability	1250/1500 kVA: Up to 3 UPS units in N+1 configuration, where N is 2, 1 for redundancy; Up to 2 UPS units for capacity
Front display	7-inch color touch screen with built-in NMC
Efficiency	Up to 96.4%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP (Modbus RS-485 optional), dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	400 V +20%/-15% @ 100% load, 3P + PEN or 3P + N + GND
Output voltage	400 V, 4-wire (3P+PEN) or 5-wire (3P+N+GND)
Warranty	1 year

Features

- Cabinet-level scalability for capacity or redundancy
- Highly efficient ECOnversion mode
- Unity power factor corrected
- Online double conversion topology
- 65 kA rating standard for UPS
- IBC seismic certified
- Large color touch-screen display with NMC
- Replaceable dust filters
- Dual mains input, top and bottom cable entry
- Flywheel and li-ion battery compatible
- Startup service included
- No rear access required
- Network manageable and StruxureWare Data Center Expert compatible

Options*

- Adjacent or remote maintenance bypass cabinets
- Classical battery cabinets
- Battery pull box
- SmartSlot cards
- Dust filters
- Single feed kit
- Parallel cable kit

Dimensions**

Product	H x W x D	Weight
UPS		
1000 kVA	1970 x 4400 x 900 mm	2910 kg
1250 kVA	1970 x 5000 x 900 mm	3450 kg
1500 kVA	1970 x 5600 x 900 mm	3990 kg
1500 kVA N+1	1970 x 6200 x 900 mm	4530 kg

*Available options vary by kVA rating and region
**Dimensions do not include batteries, maintenance bypass, or switchgear

Symmetra Megawatt

400/600/800/1000/1200/1400/1600 kVA

Applications

- Mission-critical environments
- Colocation facilities
- Finance, semiconductor, and manufacturing environments
- Medium/large data centers, buildings, or facilities

Characteristics

Power rating	One UPS: 400 to 1600 kVA, scalable in 200 kVA increments Parallel system: 400 kW to 6.4 MW, in 200 kW increments
Input power factor	Unity
Output power factor	Unity (kVA=kW)
Battery	VRLA, vented lead-acid, NiCad, li-ion
Parallel capability	Up to 4 UPS units for 6.4 MW of capacity or redundancy
Front display	Touch-screen LCD display
Efficiency	> 97% in full protection mode
Communication	Touch-screen LCD display
Input voltage	380/400/415 V, three-phase + N + G
Output voltage	380/400/415 V, three-phase + N + G
Warranty	1 year

Features

- Ultra-high efficiency (> 97% at 85% load; 96% at 45% load; 94% at 25% load)
- Scalable power for capacity or redundancy
- Unity power factor corrected (input and output)
- Fault tolerant module- or system-level N+1 redundancy
- Universal battery support
- Modular design
- Battery failure notification
- No rear access required
- Dual mains input, top or bottom
- Start-up service included
- Static bypass switch (internal, 400 – 1000 kW; external, 800 – 1600 kW)
- StruxureWare Data Center Expert compatible
- Efficiency booster mode

Options

- UpSync™ module
- MegaTie
- EPO
- Air filter kit
- Relay I/O board
- TCP/IP Modbus gateway

Dimensions*

H x W x D, MW40	2032 x 2114 x 1067 mm
H x W x D, MW1600	2032 x 5486 x 1067 mm
Weight, MW400	2122 kg
Weight, MW1600	6376 kg

*Dimensions do not include batteries.

Gutor PXC

10/20/30/40/50/60/70/80 kVA

Applications			
• Oil & Gas	• Transportation	• Healthcare	• Semiconductors
• Mining, Metal, Minerals	• Marine	• Food and Beverage	• Pharmaceuticals

Characteristics	
Power rating	10/20/30/40/50/60/70/80 kVA
Output power factor	0.8 (400 V)
Battery	VRLA, external battery cabinet
Parallel capability	Up to 2 units for redundancy
Front display	LCD with MIMIC LED display
Efficiency	Up to 94.0%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP (Modbus RS-485 optional), dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	380/400/415 V
Output voltage	400/220/230/240 V

Features		
• Small footprint	• Industrial design with short lead times	• Energy efficient
• Low THDi	• Transformerless configuration	• ECO mode

Options*	
• Galvanic isolation transformer	• External MCCB battery protection panel
• Second slot for management cards	• External battery cabinet solutions
• IEC 61850	• Replaceable IP 54 (NEMA 12) dust filters
• Top cable entry with auxiliary cabinet	• Seismic kit

Dimensions
Available upon request

*Available options vary by kVA rating and region.

Industrial UPS

Gutor WxW inverter single-phase output/ three-phase output

5 – 220 kVA (single-phase output)
10 – 220 kVA (three-phase output)

Applications

- Nuclear Power Plants
- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Chemical industry
- Other industrial applications

Characteristics

Power rating	5 – 220 kVA (3:1); 10 – 220 kVA (3:3)
Efficiency	Up to 93% (depending on configuration)
Communication	Modbus TCP/IP, IEC 61850 (others on request)
Input voltage	110/125/220/400 VDC
Output voltage	220/230/240 V (other voltages on request) 380/400/415 V (other voltages on request)

Features

Flexibility – Due to independent modules, the UPS can be sized individually based on customer requirements.

NPP qualified – The firmware is certified according to IEC 60880 for third party, and the components are withstanding applicable seismic requirements.

Proven reliability – Best-in-class mean time between failures (MTBF) within a long product lifetime with minimal servicing required. Over 20,000 systems installed worldwide with excellent quality records.

Dimensions

Available upon request

Industrial UPS

Gutor PXP AC UPS 1000 — 3:1

5/10/15/20/30/40/50/60/80/100/120/140/160 kVA

Applications

- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Mining
- Water treatment, including desalination
- Transport
- Chemical industry
- Other industrial applications

Characteristics

Power rating	5/10/15/20/30/40/50/60/80/100/120/140/160 kVA
Input power factor	0.9
Output power factor	1.0 kVA = kW
Battery	Lead-acid, NiCad
Efficiency	Up to 94% (depending on configuration)
Communication	Modbus, RS-232/485, Ethernet
Input voltage	3 x 380/400/415 V (other voltages on request)
Output voltage	220/230/240 V (other voltages on request)

Features

Many different customizations are available, including:

- Mechanical modification: Color, IP up to 54, bus bar, and size
- UPS environment: LV distribution panel, coupling cabinet, all types of batteries
- UPS performance: Special sizing for both inverter and rectifier, various input, output, and DC bus voltages
- Architecture combining AC UPS and DC (rectifier)
- Customized documentation and system testing upon request

Dimensions

Available upon request

Industrial UPS

Gutor PXP AC UPS 3000 — 3:3

5/10/15/20/30/40/50/60/80/100/120/140/160 kVA

Applications

- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Mining
- Water treatment, including desalination
- Transport
- Chemical industry
- Other industrial applications

Characteristics

Power rating	5/10/15/20/30/40/50/60/80/100/120/140/160 kVA
Input power factor	0.9
Output power factor	1.0 kVA = kW
Battery	Lead-acid, NiCad
Efficiency	Up to 93% (depending on configuration)
Communication	Modbus, RS-232/485, Ethernet
Input voltage	3 x 380/400/415 V (other voltages on request)
Output voltage	380/400/415 V (other voltages on request)

Features

Many different customizations are available, including:

- Mechanical modification: Color, IP up to 54, bus bar, and size
- UPS environment: LV distribution panel, coupling cabinet, all types of batteries
- UPS performance: Special sizing for both inverter and rectifier, various input, output, and DC bus voltages
- Architecture combining AC UPS and DC (rectifier)
- Customized documentation and system testing upon request

Dimensions

Available upon request

Industrial UPS

Gutor SDC — Rectifier

Industrial thyristor rectifier with broad application areas — Rectifier/battery charger

Applications

- Nuclear Power Plants
- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Chemical industry
- Other industrial applications

Characteristics

Ratings	24 – 260 V	25 – 1200 A
Efficiency	Up to 94% (depending on configuration)
Communication	Modbus TCP/IP, IEC 61850 (others on request)
Voltage	3 x 380/400/415 V (other voltages on request)

Features

NPP qualified – The firmware is certified according to IEC 60880 for third party, and the components are withstanding applicable seismic requirements.

Proven reliability – Best-in-class MTBF within a long product lifetime with minimal servicing required. Over 20,000 systems installed worldwide with excellent quality records.

Dimensions

Available upon request

Industrial UPS

Modular power distribution

138/277 kW

Applications

- Small, medium, and large data centers

Characteristics

Full load rating	Up to 277 kW
Max. power distribution modules	138 kW: 6 (max. 18 poles) 277 kW: 24 (max. 72 poles)
Front display	PowerView local display
Efficiency	95%
Input voltage	138/277 kW: 400 V
Output voltage*	138/277 kW: 230/400 V
Warranty	1 year

Features

- Scalable
- Integrated monitoring
- Network-enabled
- Modbus supported
- High-density distribution
- No rear access required

Options

- Power distribution modules with locking connectors
- Startup service

Dimensions

Product	H x W x D	Weight (unpopulated)
138 kW PDU	9 x 18 x 29 in.	52 lb.
277 kW PDU	84.84 x 29.37 x 46.49 in.	380 lb.

*Output voltage may be single-phase or three-phase, based on the connected power distribution module.

Three-phase UPS

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480 V/60 Hz three-phase product offers

Products, accessories, and services

Symmetra PX 20 all-in-one

10 – 20 kVA

Applications

• Data closet	• High-density zones	• Small data centers

Characteristics

Power rating	10 and 20 kW N+0 or N+1
Output power factor	Unity (kVA=kW)
Battery	VRLA
Parallel capability	None
Front display	PowerView local display
Efficiency	94%
Communication	UPS network management card (AP9630) included
Input voltage	208 V, three-phase + N + G
Output voltage	208 V, three-phase + N + G or 3P + G
Warranty	1 year

Features

- Single-rack design
- Configurable power distribution
- Redundant intelligence module
- Scalable power modules
- Modular batteries
- Front access only
- Maintenance bypass panel
- Dual mains input, top or bottom feed
- Startup service included
- Network-manageable

Options

- Extended runtime battery frames
- Secondary network management card (HTTP/Telnet/SNMP)
- Configurable power accessories

Dimensions

H x W x D	81.5 x 23.5 x 35.6 in.
Weight without batteries or power modules	665 lb.
Weight fully populated with batteries and power modules	1803 lb.

Three-phase UPS

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Smart-UPS VT

10/15/20/30 kVA

Applications

- Small data centers
- Server rooms
- Medical server rooms and laboratories
- Government and institutions
- Commercial buildings, retail, and points of sale

Characteristics

Power rating	10/15/20/30 kVA
Output power factor	0.8
Battery	Integrated, maintenance-free, sealed lead acid
Parallel capability	Up to 4 units for capacity or redundancy
Front display	Multifunction LCD status and control console
Efficiency	94% at 100% linear load (+ or - 0.5%)
Communication	Network SNMP and environmental monitoring (AP9631) included
Input voltage	208 – 220 V (3PH + N + G)
Output voltage	200 – 220 V (3PH + N + G)
Warranty	1 year

Features

- Compact form factor
- Reduced footprint
- Tower and rack mount
- Scalable runtime — modular batteries
- Scalable architecture
- Parallel for capacity or redundancy — up to 3 units
- Dual mains input
- Step load voltage stabilization
- Startup service included

Options

- Matching external runtime frame with or without breakers
- Single cabinet maintenance bypass floor mount with or without 42-pole distribution panel
- Parallel maintenance bypass cabinet for up to 3 units
- Network management card (AP9631) with environmental monitoring

Dimensions

Product	H x W x D	Weight
UPS (wide tower)	59 x 21 x 33 in.	1455 lb. max
UPS (narrow tower)	59 x 14 x 33 in.	428 lb. max
Parallel maintenance bypass battery cabinet	59 x 14 x 33 in.	317 lb. max
	59 x 21 x 33 in.	377 lb. max

Three-phase UPS

Galaxy 3500

10/15/20/30 kVA

Applications

- Commercial buildings
- Transportation and infrastructures
- Telecommunication centers
- Technical facilities
- Industrial plants and process protection

Characteristics

Power rating	10/15/20/30 kVA
Output power factor	0.8
Battery	Integrated, maintenance-free, sealed lead acid
Parallel capability	Up to 4 units for capacity or redundancy
Front display	Multifunction LCD status and control console
Efficiency	94% at 100% linear load (+ or - 0.5%)
Communication	Network SNMP and environmental monitoring (AP9631) included
Input voltage	208 – 220 V (3PH + N + G)
Output voltage	208 V
Warranty	1 year

Features

- Compact form factor, reduced footprint
- Dual mains input
- Swappable batteries
- Input power factor correction
- User-replaceable air filters
- Startup service included
- IP51 rating
- Sturdy 0.08 in. front panel

Options

- Seismic brackets
- User-replaceable air filters
- Empty frame for third-party batteries
- Empty frame for third-party transformers
- Matching external runtime frame with batteries
- Network management card (AP9635) with environmental monitoring, Modbus, teleservices
- Single and parallel bypass panel — floor mounted

Dimensions

Product	H x W x D	Weight
UPS (wide tower)	59 x 21 x 33 in.	1181 lb. max
UPS (narrow tower)	59 x 14 x 33 in.	873 lb. max
External runtime frame	59 x 21 x 36.5 in.	1707 lb. max

Three-phase UPS

● ○ ○

Symmetra PX 40 kW

10 – 40 kVA

Applications

- Small data centers
- Medium data centers
- High-density zones of large data centers

Characteristics

Power rating	10 to 40 kW, in 10 kW increments
Output power factor	1
Battery	VRLA
Parallel capability	None
Front display	PowerView local display
Efficiency	94%
Communication	UPS network management card (AP9630) included
Input voltage	208 V, three-phase + N + G
Output voltage	208 V, three-phase + N + G or 3P + G
Warranty	1 year

Features

- Single-rack
- Scalable power modules
- Modular batteries
- Bottom feed
- Startup service included
- Redundant intelligence module
- Network-manageable

Options

- Extended runtime battery frames
- Maintenance bypass panel
- Isolation transformer
- Battery breaker box
- Configurable power distribution units
- Secondary network management card (HTTP/Telnet/SNMP)

Dimensions

H x W x D	82 x 36 x 24 in.
Weight without batteries	600 lb.
Weight with 6-min. runtime	1700 lb.

Three-phase UPS

Galaxy 4000
40/50/65/75 kVA

Applications

- Mission-critical environments
- Small/medium data centers
- Industrial plants
- Telecommunication centers

Characteristics

Power rating	40/50/65/75 kVA
Output power factor	0.8
Battery	Adjacent, remote, VRLA, wet cell
Front display	Mimic LED display
Efficiency	90% at 100% linear load (+ or - 5%)
Communication	RS232, RS485, network SNMP, dry contacts
Input ratings	208 V, three-phase
Output ratings	208 V, three-phase
Warranty	1 year

Features

- Fault-tolerant circuitry
- Online double conversion topology
- Field upgradable
- Digital power quality
- Low input THD (< 3%)
- Extended runtimes available
- Top or bottom entry
- Communication cards for every application

Options

- Internal or external maintenance bypass cabinet
- Matching 42-pole distribution
- Seismic brackets
- Line-up and match battery cabinet and auxiliary cabinets
- 65 kAIC rating
- Dual input

Dimensions

Product	H x W x D	Weight
UPS	72 x 34 x 36 in.	1234 lb. max
Battery cabinet	72 x 34 x 34 in.	2730 lb. max
Distribution cabinet	72 x 20 x 34 in.	330 lb. max

Three-phase UPS

● ● ●

Symmetra PX 100 kW

10 – 100 kVA

Applications

- Small/medium data centers
- High-density zones of large data centers

Characteristics

Power rating	10 to 100 kW, in 10 kW increments
Output power factor	1
Battery	VRLA
Parallel capability	None
Front display	PowerView local display
Efficiency	95%
Communication	UPS network management card (embedded)
Input voltage	208 V, three-phase + N + G
Output voltage	120/208 V, three-phase + N + G
Warranty	1 year

Features

- Scalable power modules
- Modular batteries
- Unity power factor corrected
- Dual mains input, top feed
- Startup service included
- Swappable static bypass switch
- Redundant intelligence module
- Network-manageable
- Fault-tolerant N+1 design

Options

- Extended runtime battery frames
- 11.8 in. bottom feed frame
- Modular power distribution units with maintenance bypass and fully rated subfeed breaker (600:208 V, 480:208 V, 208:208 V, and transformerless 208 V)

Dimensions

H x W x D	79.1 x 47.2 x 42.1 in.
Weight without batteries (100 kW UPS only)	1436 lb.
Weight with 5-min. runtime (100 kW UPS only)	4224 lb.

Three-phase UPS

Galaxy 5000

40/50/60/80/100/130 kVA

Applications

- Medium data centers
- Industrial plants
- Telecommunication centers
- Mission-critical environments

Characteristics

Power rating	40/50/60/80/100/130 kVA
Output power factor	0.9
Battery	Integrated, adjacent, remote, open rack, VRLA
Parallel capability	Up to 6 units for capacity or redundancy
Front display	Graphical display available in 18 languages
Efficiency	Up to 94% at 100% linear load (+ or - 0.5%)
Communication	RS232, RS485, network SNMP, dry contacts
Input voltage	480 V (208 and 600 V with transformer)
Output voltage	480 V (208 and 600 V with transformer)
Warranty	1 year

Features

- Dual input
- Step load voltage stabilization
- Intelligent battery management
- Bottom entry standard
- Front access electrical connections
- User-friendly multilanguage display
- Input distortion management
- Internal maintenance bypass
- High-power density design

Options

- Matching adjacent empty battery cabinet
- Matching adjacent battery cabinet
- Empty auxiliary cabinet
- External synchronization board (to use with static transfer switch)
- Parallel system bypass cabinet
- Back-feed protection
- IP32 pack
- Fan redundancy
- Input/output transformers in matching cabinet
- UL 924 rated battery cabinets (40 – 50 kVA UPS)

Dimensions

Product	H x W x D	Weight
UPS without batteries	76 x 28 x 33 in.	1168 lb.
Empty battery/auxiliary cabinet	75 x 28 x 32 in.	881 lb.
Transformer cabinet	75 x 28 x 32 in.	297 lb.

Galaxy VM
160/180/225 kVA

Applications

- Mission-critical environments
- Small/medium data centers
- Industrial plants
- Facility infrastructure

Characteristics

Power rating	160/180/225 kVA
Output power factor	0.9
Battery	VRLA, li-ion
Parallel capability	Up to 4 units for capacity, 5 for redundancy
Front display	7-inch color touch screen with built-in NMC
Efficiency	Up to 96.5% at 100% linear load; up to 99% in ECOnversion mode
Communication	Modbus (SCADA and ION-E), 2 empty card slots, dry contacts, network/Web SNMP
Input voltage	480 V (208 V with transformer)
Output voltage	480 V (208 V with transformer)
Warranty	1 year

Features

- Highly efficient ECOnversion mode
- Flexible modular and classical battery solutions
- OSHPD and IBC seismic certified
- Large color touch-screen display with built-in NMC
- Industry-leading footprint
- Replaceable dust filters
- Single cabinet top and bottom cable entry
- Integrated casters for ease of mobility
- 65 kAIC rating standard

Options

- Management cards
- Battery cabinets — modular and classical
- Fuse kits
- Wall-mounted battery breaker boxes
- Parallel system bypass cabinets
- Dust filter kits
- System bypass cabinets
- 208 V transformers
- Flywheel and li-ion battery compatible

Dimensions

Product	H x W x D	Weight
UPS		
180 kVA	77.56 x 39.45 x 33.62 in.	1497 lb.
225 kVA	77.56 x 39.45 x 33.62 in.	1552 lb.
450 kVA system bypass cabinet	72 x 34 x 34 in.	1235 lb.
675 kVA system bypass cabinet	72 x 20 x 34 in.	1235 lb.

Three-phase UPS

Symmetra PX 250/500 kW

50 – 500 kVA

Applications

- Medium/large data centers
- Mission-critical environments

Characteristics

Power rating	One UPS: 50 kVA to 500 kVA, in 25 kVA increments Fully populated parallel system: 50 kVA to 2 MVA, in 25 kVA increments
Output power factor	1
Battery	VRLA
Parallel capability	Up to 4 UPS units, for capacity or redundancy
Front display	Localized 10-inch touch-screen display
Efficiency	94%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP or RS-485, dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	380/400/415/480 V, three-phase + N + G
Output voltage	380/400/415/480 V, three-phase + N + G
Warranty	1 year

Features

- Scalable power modules
- Modular batteries
- Unity power factor corrected
- Dual mains input, top or bottom feed
- Startup service included
- Swappable static bypass switch
- Redundant intelligence module

- Module or system level N+1 redundancy
- No rear access required
- High efficiency in full protection mode (96% at 35% load, 95% at 25% load); up to 99% efficiency in good power conditions with ECO mode
- Network-manageable

Options

- Third-party battery cabinets
- Extended runtime battery frames
- Battery breaker enclosure
- Maintenance bypass with distribution cabinet (MBwD)
- Battery sidecar
- Bottom feed frame
- Modular power distribution

Dimensions

Product	H x W x D	Weight
Without batteries or MBwD	78.74 x 70.87 x 42.13 in.	3797 lb.
With 6-min. runtime and MBwD	78.74 x 205 x 42.13 in.	18377 lb.

Three-phase UPS

EPS 7000
300/400/500 kVA

Applications

- Mission-critical environments
- Medium/large data centers
- Industrial plants

Characteristics

Power rating	300/400/500 kVA
Output power factor	0.9
Battery	Lead acid batteries (vented, sealed), NiCad
Parallel capability	Yes
Front display	User-friendly alphanumerical display
Efficiency	Up to 94% (+ or - 0.5%)
Communication	Dry contact, network management card
Input voltage	480 or 600 V three-phase
Output voltage	480 or 600 V
Warranty	1 year

Features

- Strong electrical features
- Intuitive monitoring
- Parallel capable output
- Synchronization to external source
- High availability architecture components

Options

- Input isolation transformer
- Output distribution
- External maintenance bypass
- Bottom cable entry
- Remote alarm status panel
- Seismic anchors
- Graphical user interface with network connection battery monitoring
- Continuous duty and momentary duty
- Static switch cabinets
- Critical bus synchronization module
- Battery disconnect

Dimensions

Rated power (kVA/kW)
300/270, 400/360, 500/450, 300/270, 400/360, 500/450

Product	H x W x D	Weight
UPS module	69 x 82 x 39 in.	6900 lb.
Maintenance bypass cabinet	22.75 x 82 x 39 in.	540 lb.
Bottom entry cabinet	14 x 82 x 39 in.	190 lb.
Transformer cabinet	44.75 x 82 x 39 in.	3600 lb.

Three-phase UPS

EPS 8000

555/625/750/800/1000/1100/1125 kVA

Applications

- Mission-critical environments
- Industrial facilities
- Large data centers

Characteristics

Power rating	555/625/750/800/1000/1100/1125 kVA
Output power factor	555 – 800 kVA (480/600 V), 1000 – 1100 kVA (480 V): 0.9 1000 – 1100 kVA (575/600 V), 1125 kVA (480/575/600 V):1.0
Battery	Lead acid batteries (vented, sealed), NiCad
Parallel capability	Up to 6 modules (1,100 kVA)
Front display	User-friendly alphanumerical display
Efficiency	Up to 94%
Communication	Dry contact, network management card, SNMP
Input voltage	480, 575, or 600 V, three-phase
Output voltage	555 – 800 kVA: 480 or 600 V; 1000 – 1125 kVA: 480, 575, or 600 V
Warranty	1 year

Features

- Strong electrical features
- Intuitive monitoring
- Parallel capable output
- Synchronization to external source
- High availability architecture components

Options

- Battery monitoring systems
- Batteries cabinets (with VRLA batteries), standard offering
- Flooded cells/racks
- Output distribution (customized)
- Top cable entry cabinet
- Seismic anchors
- Critical bus synchronization
- System static bypass switch cabinet

Dimensions*

Product	H x W x D	Weight
555 kVA – 625 kVA UPS	82 x 121.5 x 39 in.	12200 lb.
750 kVA – 800 kVA UPS	82 x 121.5 x 39 in.	13100 lb.
1000 kVA – 1100 kVA UPS	90 x 140 x 45 in.	17031 lb.
1125 kVA UPS		
480 V	90 x 140 x 45 in.	19770 lb.
575/600 V	90 x 140 x 45 in.	20620 lb.

*Weights and dimensions of auxiliaries, such as MBP, battery, bottom entry, or battery disconnect cabinets, are not included in these specifications.

Three-phase UPS

Galaxy VX

500/625/750 kVA N+1   1000/1250/1500kVA N+1

Applications

- Mission-critical environments
- Large/extra-large data centers
- Facility infrastructure
- Colocation facilities
- Finance, semiconductor, and manufacturing environments

Characteristics

Power rating	500/625/750 kVA (480 V); 1000/1250/1500 kVA N+1 (480 V)
Input power factor	0.99% @ >40% load
Output power factor	1.0 kVA = kW
Battery	VRLA, flooded, li-ion
Parallel capability	500 – 750 kVA: Up to 4 + 1 (4 units for capacity + 1 for redundancy); 1250/1500 kVA: Up to 3 UPS units in N+1 configuration, where N is 2, 1 for redundancy; Up to 2 UPS units for capacity
Front display	7-inch color touch screen with built-in NMC
Efficiency	Up to 96.4%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP (Modbus RS-485 optional), dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	480 V +20%/-15% @ 100% load, 3 wire + G
Output voltage	480 V, 3-wire (3PH + G)
Warranty	1 year

Features

- Cabinet-level scalability for capacity or redundancy
- Highly efficient ECOnversion mode
- Unity power factor corrected
- Dual mains input, top and bottom cable entry
- OSHPD and IBC seismic certified
- Large color touch-screen display with NMC
- Replaceable dust filters
- Online double conversion topology
- 100 kA rating standard for UPS
- Flywheel and li-ion battery compatible
- Startup service included
- No rear access required
- Network manageable and StruxureWare Data Center Expert compatible

Options*

- Adjacent or remote maintenance bypass cabinets
- Classical battery cabinets
- Battery pull box
- SmartSlot cards
- Dust filters
- Single feed kit
- Parallel cable kit

Dimensions**

Product	H x W x D	Weight
UPS		
500 kVA	1970 x 2700 x 900 mm	2130 kg
625/750 kVA	1970 x 3300 x 900 mm	2670 kg
625/750 kVA N+1	1970 x 3900 x 900 mm	3210 kg
1000 kVA	1970 x 4400 x 900 mm	2910 kg
1250 kVA	1970 x 5000 x 900 mm	3450 kg
1500 kVA	1970 x 5600 x 900 mm	3990 kg
1500 kVA N+1	1970 x 6200 x 900 mm	4530 kg

*Available options vary by kVA rating and region.
**Dimensions do not include batteries, maintenance bypass, or switchgear

Three-phase UPS

Symmetra Megawatt
400/600/800/1000/1200/1400/1600 kVA

Applications

- Medium/large data centers, buildings, or facilities
- Colocation facilities
- Mission-critical environments
- Finance, semiconductor, and manufacturing environments

Characteristics

Power rating	One UPS: 400 – 1,600 kVA, scalable in 200 kVA increments Parallel system: 400 kW – 6.4 MW, in 200 kW increments
Input power factor	Unity
Output power factor	Unity (kVA = kW)
Battery	VRLA, vented lead acid, NiCad, li-ion
Parallel capability	Up to 4 UPSs for 6.4 MW of capacity or redundancy
Front display	PowerView local display
Efficiency	>97% in full protection mode
Communication	Touchscreen display (LCD)
Input voltage	208 V, three-phase + N + G
Output voltage	120/208 V, three-phase + N + G
Warranty	1 year

Features

- Fault-tolerant module — or system — level N + 1 redundancy
- Universal battery support
- Modular design
- Battery failure notification
- No rear access required
- Unity power factor corrected (input and output)
- Dual mains input, top or bottom feed
- Startup service included
- StruxureWare Data Center Expert compatible
- Static bypass switch (internal, 400 – 1000 kW; external, 800 – 1600 kW)
- Ultra-high efficiency (> 97% at 85% load; 96% at 45% load; 94% at 25% load)
- Efficiency booster mode

Options

- MegaTie, air filter kit, relay I/O board, TCP/IP Modbus gateway, UPSync module, third-party battery cabinets

Dimensions*

Product	H x W x D	Weight
MW 400	80 x 83 x 42 in.	4669 lb.
MW 1600	80 x 216 x 42 in.	14028 lb.

*Dimensions do not include batteries.

Three-phase UPS

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Gutor PXC

25/37.5/50/75/100 kVA

Applications

- Oil & Gas
- Mining
- Transportation
- General manufacturing
- Healthcare
- Food and Beverage
- Semiconductors
- Pharmaceuticals
- Water and Wastewater
- Small/medium data centers

Characteristics

Power rating	25/37.5/50/75/100 kVA
Output power factor	Unity
Battery	VRLA, external battery cabinet
Parallel capability	Up to 2 units for redundancy
Front display	LCD with MIMIC LED display
Efficiency	Up to 94.0%
Communication	AP9635 network management card (included), HTTP/HTTPS, Telnet/SSH, SNMP, email, Modbus TCP/IP (Modbus RS-485 optional), dry contact inputs, relay outputs, 1 empty SmartSlot
Input voltage	208 V
Output voltage	208 V

Features

- Small footprint
- Low THDi
- ECO mode
- Transformerless configuration
- 65 kAIC rating, wide operating temperature, highly reliable, and robust design
- Energy efficiency
- Industrial design with short lead times

Options*

- Replaceable IP 54 UL type 12 dust filters
- Galvanic isolation transformer
- Top cable entry with auxiliary cabinet
- External MCCB battery protection panel
- External battery cabinet solutions
- Seismic kit
- Second slot for management cards

Dimensions

Available upon request

*Available options vary by kVA rating and region

Industrial UPS

Gutor PXW — AC UPS 3:1

5 – 200 kVA

Applications

- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Mining
- Water treatment, including desalination
- Transport
- Chemical industry
- Other industrial applications

Characteristics

Power rating	5/10/15/20/30/40/50/60/80/100/120/140/160 kVA
Input power factor	0.9
Output power factor	1.0 kVA = kW
Battery	Lead-acid, NiCad
Efficiency	Up to 93% (depending on configuration)
Communication	Modbus RTU (4-Wire), Modbus TCP, webpage (HTTP), SNMP, IEC 61850
Input voltage	3 x 380/400/415 V (other voltages on request)
Output voltage	220/230/240 V (other voltages on request)
Warranty	1 year

Features

Many different customizations are available, including:

- Mechanical modification: Color, IP up to 54, bus bar, and size
- UPS environment: LV distribution panel, coupling cabinet, all types of batteries
- UPS performance: Special sizing for both inverter and rectifier, various input, output, and DC bus voltages
- Architecture combining AC UPS and DC (rectifier)
- Customized documentation and system testing upon request

Dimensions

Available upon request

Industrial UPS

Gutor PXW — AC UPS 3:3

10 – 220 kVA

Applications

- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Mining
- Water treatment, including desalination
- Transport
- Chemical industry
- Other industrial applications

Characteristics

Power rating	10 – 220 kVA
Input power factor	0.9
Output power factor	1.0 kVA = kW
Battery	Lead-acid, NiCad
Efficiency	Up to 93% (depending on configuration)
Communication	Modbus TCP/IP, IEC 61850 (others on request)
Input voltage	3 x 380/400/415 V (other voltages on request)
Output voltage	380/400/415 V (other voltages on request)

Features

Many different customizations are available, including:

- Mechanical modification: Color, IP up to 54, bus bar, and size
- UPS environment: LV distribution panel, coupling cabinet, all types of batteries
- UPS performance: Special sizing for both inverter and rectifier, various input, output, and DC bus voltages
- Architecture combining AC UP and DC (rectifier)
- Customized documentation and system testing upon request

Dimensions

Available upon request

Industrial UPS

Gutor WxW inverter 3:1 and 3:3

5 – 200 kVA (single-phase output)
10 – 220 kVA (three-phase output)

Applications

- Nuclear Power Plants
- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Chemical industry
- Other industrial applications

Characteristics

Power rating	5 – 200 kVA(3:1); 10 – 220 kVA (3:3)
Efficiency	Up to 93% (depending on configuration)
Communication	Modbus TCP/IP, IEC 61850 (others on request)
Input voltage	110/125/220/400 VDC
Output voltage	220/230/240 V (other voltages on request) 380/400/415 V (other voltages on request)

Features

Flexibility – Due to independent modules, the UPS can be sized individually based on customer requirements.

NPP qualified – The firmware is certified according to IEC 60880 for third party, and the components are withstanding applicable seismic requirements.

Proven reliability – Best-in-class mean time between failures (MTBF) within a long product lifetime with minimal servicing required. Over 20,000 systems installed worldwide with excellent quality records.

Dimensions

Available upon request

Gutor SDC — Rectifier

Industrial thyristor rectifier with broad application areas — Rectifier/battery charger

Applications

- Nuclear Power Plants
- Oil & Gas, Petrochemical (onshore, offshore, pipelines, refining, FPSO)
- Power generation, including transmission and distribution
- Chemical industry
- Other industrial applications

Characteristics

Ratings	24 – 260 V | 25 – 1200 A
Efficiency	Up to 94% (depending on configuration)
Communication	Modbus TCP/IP, IEC 61850 (others on request)
Voltage	3 x 380/400/415 V (other voltages on request)

Features

NPP qualified – The firmware is certified according to IEC 60880 for third party, and the components are withstanding applicable seismic requirements.

Proven reliability – Best-in-class MTBF within a long product lifetime with minimal servicing required. Over 20,000 systems installed worldwide with excellent quality records.

Dimensions

Available upon request

Industrial UPS

Modular power distribution
72/144/175/266/277 kW

Applications

- Small, medium, and large data centers

Characteristics, 72/144 kW/175/266 kW/277 kW PDU

Full load rating	Up to 277 kW
Max. power distribution modules	72 kW: 6 (max. 18 poles) 144/175/266/277 kW: 24 (max. 72 poles)
Front display	PowerView local display
Efficiency	95%
Input voltage	300 mm 144 kW PDU, 72 kW PDU: 208 V 600 mm 144 kW PDU: 480 V, 600 V; 175 kW PDU: 480 V; 266 kW PDU: 480 V; 277 kW PDU: 400 V
Output voltage*	72/144/266 kW: 120/208 V; 175 kW: 240/415 V; 277 kW: 230/400 V
Warranty	1 year

Features

- Scalable
- Integrated monitoring
- Network-enabled
- Modbus supported
- High-density distribution
- No rear access required

Options

- Power distribution modules with locking connectors
- Startup service

Dimensions

Product	H x W x D	Weight (unpopulated)
72 kW PDU	9 x 18 x 29 in.	52 lb.
277 kW PDU	84.84 x 29.37 x 46.49 in.	380 lb.
150/175 kVA PDU	79 x 24 x 42 in.	2075 lb.

*Output voltage may be single-phase or three-phase, based on the connected power distribution module.

Three-phase power ...

Configurable power distribution
60/150 kW

Applications	
• Small, medium, and large data centers	

Characteristics, 60/150 PDU	
Full load rating	Up to 150 kW
Panel positions	150 kW PDU: 84
Front display	PowerView local display
Input voltage	208/480/600 V
Output ratings	120/208 V, three-phase
Warranty	1 year

Characteristics, 10U rack power panel	
Full load rating	Up to 28.8 kVA
Panel positions	42
Input voltage	120/208 V, three-phase
Output ratings	120/208 V, three-phase
Warranty	1 year

Features, 60/150 kW PDU

- Top or bottom cable entry
- Flexible configure-to-order options
- Factory assembled and tested
- NEMA®-rated TP1 transformers
- Aesthetic design
- No side access required
- Preconfigured cord sets
- Compatible with StruxureWare Data Center Expert
- 150 kW PDU: Modbus TCP, Modbus RS485

Features, 10U rack power panel

- Flexible configure-to-order options
- Factory assembled and tested
- Preconfigured cord sets
- Aesthetic design
- No side access required

Options	
• Branch circuit monitoring	• Startup service
• Shielding troughs	

Dimensions		
Product	**H x W x D**	**Weight**
150 kW PDU with transformer	81 x 24 x 42 in.	1800 lb.
10U rack distribution panel in NetShelter™ SX enclosure	34.5 x 23.5 x 81.5 in.	600 lb.

Three-phase power ...

Cabinet power distribution

30 to 300 kVA

Applications

- Small, medium, and large data centers
- Industrial applications

Characteristics

Power rating	30 to 300 kVA
Max. panel boards	6
Max. poles	42 per panel board (252 total)
Front display	Front panel with switches and LED indicators
Input voltage	120/208, single-phase or 208, 480, 600 VAC
Output voltage	120/208 V, single-phase; 208 V, three-phase
Warranty	1 year

Features

- Integrated isolation, electronic-grade grounding and distribution
- No rear access required
- 200-percent-rated neutral bus
- Spacious input/output cable access
- Top or bottom cable entry

Options

- Remote power management modules
- Startup service

Dimensions

Product	H x W x D	Weight (unpopulated)
PMM30	72.3 x 41.0 x 20.6 in.	675 lb.
PMM300	72.3 x 41.0 x 20.6 in.	3365 lb.

Three-phase power ...

Lithium-ion battery solution

Applications	
• Medium/large data centers, buildings, or facilities	• Colocation facilities
• Mission-critical environments	• Finance, semiconductor, telecommunication, industrial, and manufacturing environments

Characteristics, Rack Type G	
Compatibility	Galaxy™ VM, Galaxy VX, Galaxy 7000, Symmetra MW
Voltage	516.8 V
Operating range	408 V – 571 V
Capacity	34.6 kWh
Nominal power	231 kW
Battery management	Module BMS, rack BMS, system BMS
Communication	CAN, dry contact
Warranty	3 years

Characteristics, Rack Type S	
Compatibility	Symmetra™ MW
Voltage	395.2 V
Operating range	312 – 437 V
Capacity	26.5 kWh
Nominal power	177 kW
Battery management	Module BMS, rack BMS, system BMS
Communication	CAN, dry contact
Warranty	3 years

Features	
• Significantly reduced battery footprint and weight allow for a more effective use of space	• Double the battery life vs. traditional batteries
	• Reduced TCO

Features (cont.)	
• Increased operating temperature range reduces cooling requirements	• Improved backup storage predictability and manageability (BMS included)

Options
• 10-year warranty (battery module only)

Dimensions		
Product	**H x W x D**	**Weight**
Rack Type G	80.9 x 25.6 x 23.6 in.; 2055 x 650 x 600 mm	1212.5 lb 550 kg
Rack Type S	80.9 x 25.6 x 23.6 in.; 2055 x 650 x 600 mm	1058.2 lb 480 kg

Energy storage solutions

Battery Manager

Applications

Double conversion or delta conversion UPSs with vented lead-acid, VRLA, or NiCad battery solutions

Characteristics

Supported UPS topologies	Double conversion, delta conversion
Battery string monitoring	1 Battery Manager Main Module plus up to 7 Battery Manager Expansion Modules
Maximum batteries per module	64*
Input voltage	75 – 560 VDC nominal (600 VDC maximum)
Maximum total current draw (Battery monitoring mode: Normal operation)	23 mA @ 560 VDC; 100 mA @ 105 VDC
Maximum total current draw (Battery boost mode)	77 mA @ 560 VDC; 750 mA @ 105 VDC
Maximum power dissipation	6 W continuous; 72 W intermittent
Temperature accuracy	+/- 2 °F
Battery	2, 4, 8 or 12 V lead-acid batteries; or 1.2 or 2.4 V NiCad batteries
Communication	Embedded network management card 2 (NMC2); HTTP/HTTPS; Telnet/SSH; SNMPv1 or v3; FTP/SCP; Modbus RS485/Modbus TCP/IP
Warranty	1 year

Features

- Charges undercharged batteries only
- Provides accurate readings of battery health without forced discharge
- Extends battery life, maximizing battery return on investment
- Supplies 24/7 real-time automated monitoring of key IEEE recommended measurement parameters

* Add up to 7 Battery Manager Expansion Modules to support up to 244 lead-acid batteries or 375 NiCad batteries per string

Features (cont.)

- Logs a highly accurate indication of battery state of health
- Includes remote access to alarms and battery data
- Offers instant and customizable alarm notification

Options**

- Battery Manager Expansion Modules
- Wire harnesses (5, 25, 50, 100 ft.)
- Current sensor (1000 A max, 2000 A max)

Dimensions

Product	H x W x D	Weight
Battery Manager Main Module	1.71 x 17.00 x 17.00 in.; 4.34 x 43.18 x 43.18 cm	13.75 lb. 6.23 kg
Battery Manager Expansion Module	1.71 x 17.00 x 17.00 in.; 4.34 x 43.18 x 43.18 cm	13.30 lb. 6.03 kg

Energy storage solutions

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AccuSine active filter

20/30/45/60/90/120 A

Applications

- Energy and infrastructures
- Industry
- Buildings
- Data centers

Characteristics

Power rating	20/30/45/60/90/120 A
Front display	User-friendly alphanumeric display
Communication	JBus/Modbus card, status information card
Nominal voltage compensated	400 V – 20 +15%
Harmonic currents compensated	H2 to 50, full equalization or individual equalization
Warranty	1 year

Features

- Very efficient harmonics compensation for improved power quality
- Energy savings — less current in the network
- Power factor compensation
- Global or local installation conditioning
- Easy wall-mount installation
- Upgradable with high paralleling capabilities

Options

- CT: 300 to 6000 A open and close
- Teleservice: Remote monitoring via the telephone system

Dimensions

Product	H x W x D	Weight
20 A	680 x 540 x 280 mm	65 kg max
120 A	780 x 590 x 325 mm	220 kg max

Surge protection

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Upsilon static transfer switch

30 – 2000 A

Applications

- Industrial applications
- Data centers
- Telecommunication centers
- Infrastructure

Characteristics

Power rating	30 – 2000 A
Efficiency	99%
Transfer time	Typical 3 ms/max 10 ms
Input voltage	400 V
Output voltage	380 V (-35%) – 400 V – 415 V (+20%)
Warranty	1 year

Features

- Simplifies installation and maintenance while minimizing space requirements
- Independent control boards, dual cooling systems, and power supplies ensure high reliability performance
- Small footprint reduces required floor space
- Text and mimic diagrams display modes of operation, system parameters, and alarms
- Allows isolation of a source for maintenance without interrupting power to the protected loads

Options

- Communication: Network management card, JBus/Modbus card (supplied as standard), status information card (supplied as standard)
- Open frame version
- PDU (36 16 A circuit breakers incorporated in the H = 1900 cell, up to 100 A)
- Connection at the top of the unit

Dimensions

Product	H x W x D	Weight
30 A	1430 x 610 x 550 mm	193 kg max
630 A	1430 x 610 x 550 mm	327 kg max
120 A	**Contact Schneider Electric**	

Static transfer switches

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SmartSlot management cards

AP9630

AP9631

AP9635

UPS network management card 2
(AP9630/AP9631/AP9635)

- Web server and email notification
- PowerChute™ network shutdown
- StruxureWare Data Center Expert compatible
- SNMPv1/SNMPv3
- IPv4/IPv6
- Temperature sensor (AP9631/AP9635 only)
- Alarm, event, and data logs
- Event log stores up to 1,500 events
- Remote access from any computer
- Teleservice modem (AP9635 with select Galaxy UPSs only)
- Modbus RS485 (AP9635 only)
- Notify up to 50 computers of the UPS status

SmartSlot expansion chassis
(AP9600)

SmartSlot triple expansion chassis
(AP9604BLK)

UPS interface expander 2
(AP9624)

UPS dry contact I/O accessory
(AP9810)

Dry contact I/O SmartSlot card
(AP9613)

Out of band management SmartSlot card
(AP9608)

UPS management

Additional management cards

Each UPS is equipped with internal slots to accommodate several types of communication cards. See the compatibility matrices on page 53 to determine if these cards are supported by your UPS.

66074

MGE network management cards
(66074, 66123, 66124)

- Web server and email notification
- Enterprise power manager for UPS monitoring
- Network shutdown module for server protection
- StruxureWare Data Center Expert with MGE discovery file
- SNMPv1/IPv4

- Optional environmental sensor (part number 66846)
- Alarm and event logs
- Event log stores up to 500 events
- Remote access from any computer
- Notify up to 50 computers of the UPS status

High-voltage relay cards (dry contacts)
(66069)

Modbus RTU over RS485 card
(66061)
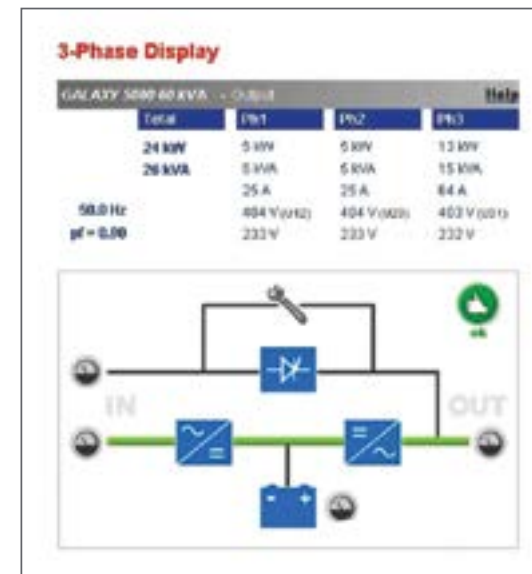
Teleservice card
(66096, 66097)

MGE 2 U-Talk
(66060)

MGE kit network management link
(66077)

MGE environment sensor
(66846)

UPS management

Compatibility matrices for management options and cards

SmartSlot cards	Galaxy								Smart-UPS VT	EPS		Symmetra						Upsilon STS
	300	3500	4000	5000	5500	7000	VM[1]	VX		7000	8000	PX 20	PX 40	PX 48	PX100	PX 96/100	PX 250/500	
Expansion chassis: AP9600		X							X			X	X	X	X	X		
Triple expansion chassis: AP9604BLK		X							X			X	X	X	X	X		
Interface expander: AP9607		X							X			X	X	X	X	X		
SmartSlot relay I/O card: AP9613		X							X			X	X	X	X	X		
UPS NMC2: AP9630, AP9631	X	X			X	X	X	X	X			X	X	X	X[2]	X		
Dry contact relay I/O : AP9810	X	X	X		X	X	X	X	X			X	X	X	X	X	X	
UPS NMC2: AP9635	X	X		X	X	X	X	X	X		X						X	
MGE 2 U-talk: 66060			X	X	X													
Modbus: 66061			X	X	X													X
Multislot and: 66063										X	X							
Relay: 66069			X	X	X													X
Ethernet: 66074			X	X	X					X	X							X
Network Management Link Kit: 66077										X	X							
Teleservice modem: 66096				X	X													X
Teleservice modem: 66097				X	X					X	X							

1 Symmetra MW does not support SmartSlot accessories
2 PX100 has secondary compatibility with these cards (eg, you can install them as a second NMC in the extra SmartSlot)

UPS management

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StruxureWare for Data Centers software suite

Schneider Electric UPS units and secure power systems are a core component of any architecture designed for highly critical applications, such as data centers, industry environments, infrastructure, and buildings.

Intelligent energy management of these systems is enabled by Schneider Electric EcoStruxure integrated hardware and software system architecture. StruxureWare software applications and suites are a key element of the EcoStruxure architecture. StruxureWare software helps maximize system reliability and optimize operational efficiency.

StruxureWare for Data Centers software collects and manages real-time information about assets, resource use, and operation status throughout the data center life cycle. This data center infrastructure management software fully integrates your three-phase power equipment. With full system visibility, managers can monitor and apply this information in order to optimize data center performance to meet IT-, business-, and service-oriented goals.

Software and services

Service portfolio

Schneider Electric Critical Power & Cooling Services provides the highest quality services and solutions by trained and trusted professionals. Our world-class services offer a smart way to build, operate, and maintain your critical applications, ensuring the right people, in the right place, at the right time.

Assembly and start-up service

Assembly and start-up service by a certified Field Service Engineer (FSE) ensures full factory warranty coverage. A Schneider Electric certified installation of your solution ensures your equipment is properly and safely configured for optimal performance. This service features a standard eight-hour, five-day response time, with upgrades available for off-business hours.

Advantage plans

Flexible service packages offer hassle-free system maintenance to improve uptime at a predictable cost. These packages provide your system with the care it needs to operate most efficiently while minimizing downtime. The Advantage Plus, Prime, Ultra, and Max are full-service packages that include technical support, preventive maintenance, quick on-site response, and remote monitoring. Response time upgrades are available.

Remote Monitoring Service (RMS)

RMS is an economical and easy-to-use Web-based service that lets you quickly respond to environmental or system changes. Trained technicians provide secure 24-hour monitoring of your physical infrastructure to diagnose and resolve problems before they become critical.

Preventive maintenance

Preventive maintenance on-site examinations of your critical systems are designed to prevent problems before they occur and keep your system running at maximum efficiency.

On-site warranty extension service

In the event of a system issue, an FSE will arrive on site by the next business day to isolate, diagnose, and correct the problem in as little time as possible, minimizing downtime. Upgrades to even faster response times are available.

Software and services

Additional services

The following services may be purchased to supplement your service contract or as stand-alone services.

Response time upgrade

Any on-site warranty extension or Advantage Plan contract can be upgraded to an eight-hour or four-hour on-site response. Check with your service sales rep to confirm availability in your location.

Battery services

Battery service and replacement are vital components of any UPS maintenance program, since one failed battery can compromise an entire system. Whether you need to replace one or all of your batteries, we can ensure that they are a reliable backup. In addition, we can provide safe and efficient removal, shipping, and recycling of your expired batteries, adhering to all federal, state, and local environmental regulations.

Monitoring services

Experienced remote monitoring professionals provide 24-hour monitoring of your system. As a second set of eyes, they can help you diagnose problems before they become critical and, if required, promptly dispatch a certified FSE on-site.

Capacitor and fan replacement services

These services ensure proactive replacement of capacitor bank and fans in order to optimize the operation of your product. Also included is the environmentally friendly disposal of the replaced capacitors or fans. Labor and travel are included, parts are billed separately.

Extended operator training

This service offers more in-depth training than what is provided at the time of system startup.

Orientation and training service

Comprehensive training designed to increase your operators' knowledge of the product. It includes both classroom and hands-on training, as well as solutions management training. Contact your service sales rep to determine if it is available for your product.

Software and services

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