



UPS (Uninterrupted Power Supply)

# HIP3300A 15-260 KVA SERIES

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THREE- PHASE ONLINE UPS PF= 0.9

# **KSTAR**



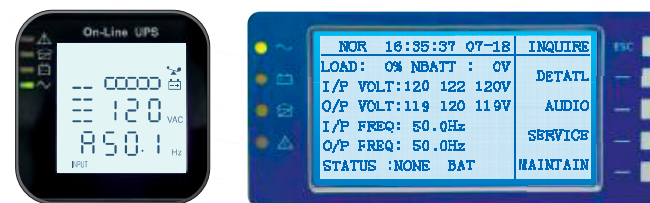
# UPS (Uninterrupted Power Supply) HIP3300A 15-260 KVA SERIES

TTHREE- PHASE ONLINE UPS PF=0,8/0,9

# KSTAR

## FEATURES

- True online UPS (classification type VFI-SS-111), true sine waveform.
- Parallel operation with another UPS up to 6 units (no need of external cabinet)
- Voltage inverter based in IGBTs
- Optional VRLA battery packs according to support time.
- Battery charger according to DIN 41773
- Internal solid state bypass.
- Dual feed for mains and bypass input.
- Power factor correction.
- Full digital controller (DSP)
- ECO function available
- Megatec/Modbus protocols supported
- Intelligent battery charge management
- High power density up to 260 kVA for space saving
- Network card compatible (model CY504 - see card manual for full specs)
- Monitor for input/output/status/statistics through network card.
- Audible and visual alarms for main UPS status (bypass/on battery/fail/overload - alarms can be silenced by user at the front panel).
- Options: SNMP card v3 /relay card



Control Panel

# TECHNICAL SPECIFICATIONS

MODEL	HIP3300A	HIP3315A (S/H)	HIP3320A (S/H)	HIP3330A	HIP3340A	HIP3350A	HIP3360A	HIP3380A	HIP33100A	HIP33120A	HIP33160A	HIP33200A	HIP33260A
	CAPACITY (KVA / KW)	15KVA / 13,5KW	20KVA / 18KW	30KVA / 27KW	40KVA / 36KW	50KVA / 45KW	60KVA / 54KW	80KVA / 72KW	100KVA / 90KW	120KVA / 108KW	160KVA / 144KW	200KVA / 180KW	260KVA / 234KW
INPUT	Harmonic distortion (THDi)	≤3% THDi (100% nonlinear load)											
	Rated Voltage	208/120Vac or 220/127Vac, 50/60Hz, 3-Phase, 4-Wire Plus Grounde, 4-Wire Plus Ground											
	Voltage Range	-20%, +25% (96-150Vac or 102-159Vac), Full load -40%, +25% (72-150Vac or 76-159Vac) , <50% Load											
	Frequency Range	50 Hz +/- 10% , 60 Hz +/-10%											
	Power Factor	≥ 0.99											
	Generator Input	Support											
	Bypass Voltage Range	208 Vac ( Phase voltage) Upper limit: +10,+15,+20 or 25% (default:+15) Lower limit:-10,-20,-30 or -40 (default:-20) Frequency Range +/-10%											
OUTPUT	Voltage	208/120Vac or 220/127Vac, 50/60Hz, 3-Phase, 4-Wire Plus Ground											
	Transient Voltage Response	±1% (linear load)											
	Power Factor	0.9											
	Voltage Regulation	±1%											
	Frequency (Line Mode)	' Synchronize with input; when input frequency > ±10% (±1%/±2%/±4%/±5% optional), output (50/60±0.1%)Hz.											
	Frequency (Battery Mode)	50/60Hz±0.01Hz											
	Current Crest Ratio	3:1											
	Harmonic Distortion	≤2% THD(Linear Load)											
		<5% THD(Non-Linear Load)											
	Output Waveform	Pure Sinewave											
Overload Capacity	AC Mode	60 min @ Load ≤ 110% - 10 min @ Load ≤ 125% - 1 min @ Load ≤ 150% - Shut down @ Load ≥ 150%											
	Bat. Mode	10 min @ Load ≤ 110% - 1 min @ Load ≤ 125% - 5 sec @ Load ≤ 150% - Shut down @ Load ≥ 150%											
EFFICIENCY	Normal Mode	96% - (from 25% to full load)											

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CAPACITY (KVA / KW)	15KVA / 13,5KW	20KVA / 18KW	30KVA / 27KW	40KVA / 36KW	50KVA / 45KW	60KVA / 54KW	80KVA / 72KW	100KVA / 90KW	120KVA / 108KW	160KVA / 144KW	200KVA / 180KW	260KVA / 234KW	
TRANSFER TIME	Synchronous transfer	Utility to Battery : 0ms; Utility to bypass: 0ms											
	Asynchronous transfer	Asynchronous transfer: 15 ms (50 Hz), 13.3 ms (60 Hz)											
PROTECTION	Protection	Short circuit, overload, over temperature, battery low, fan fault alarm.											
OPTIONAL FEATURES	Economic Mode(ECO Mode)	Supported											
DISPLAY	Status LED & LCD	Line mode, Bypass mode, Battery Status, Overload and Fault											
	Reading On the LCD	Load/Battery/Frequency/Inner Temperature/Input/Output/Bypass/Operating Mode Information – Battery support time remaining											
ALARMS	Audible & Visual	Line Failure, Low Battery, Overload, System Failure											
PHYSICAL	Dimension D×W×H (mm)	600x780x1200				600x780x1600			600x780x2000			1200x780x2000	
	Net Weight(kg)	134	136	170	172	339	376	413	507	575	842	940	
ENVIRONMENT	Operating Environment	0-40°C											
	Relative Humidity	0-95%(non-condensing)											
	Noise Level	<55dB@ 1Meter				<58dB@ 1Meter			<60dB@ 1Meter	<65dB@ 1Meter	<70dB@ 1Meter	<73dB@ 1Meter	
INTERFACE	Smart RS-232/USB	USB, RS232,RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional),Battery temperature sensor(optional)											
BATTERY	Design life (years @25 C):	5											
	Battery Type	12V											
	Backup Time	Estimated remaining time displayed on the LCD (according to battery options)											
	Rated Battery Voltage	144 Vdc											
	EOD Voltage	1.75 V/cell (selectable from 1.60 or 1.90V/cell) Auto Inverse EOD voltage x discharge current mode(The end of discharge voltage increases at low discharge currents)											
STANDARS	Safety	IEC/EN 62040-1, IEC/EN 60950-1											
	EMC	FCC Part 15:2015, IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, EN55022											

## NOTES

HIP3300A S/H Models:

- S UPS with internal batteries (when available)
- H UPS without internal batteries (only can be connected to external battery cabinet)

Matching Battery Pack		
Model	Weight(Kg)	Dimension D×W×H (mm)
YDC-BT80009-10	243	250x1000x868
YDC-BT80009-20	243	250x1000x868

Specifications are subject to change without prior notice.