

AVIV Series

Modified Sine Wave Inverter with Charger

⚙️ Features :

- Automatic line-to-battery switchover
- Configurable Input voltage ranges via LCD setting
- High efficient DC-to-AC conversion, minimizing energy loss
- Rack design & wall-mounted design for flexible installation
- Built-in enhanced charger
- Intelligent 3-stage charger control for efficient charging and preventing overcharge
- Auto restart while AC recovery
- User-friendly LCD+LED indications
- Multiple protection: low battery shutdown, over charged protection, overload protection, over temperature protection, short circuit protection
- with the environmental temperature control charge management

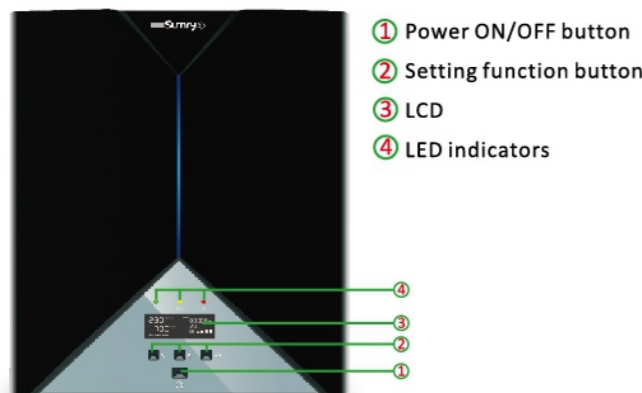


Introduction

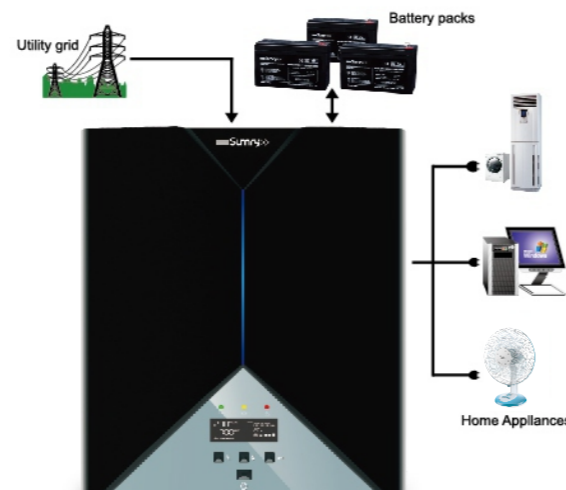
AVIV is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS, a standalone power source or an automotive inverter. AVIV supplies power from AC power and DC source. When AC cable is connected to a wall socket, utility power goes to connected equipment(s) and/or charges the battery set via charging system. In battery mode, Hexa automatically converts battery energy into AC for backing up the connected devices.

Operation

Shown below are the controls, LCD and LED on the top panel of AVIV.



Solar System Connection



AVIV Personal power station

MODEL	AVIV-1004	AVIV-1204	AVIV-2004	
*1 CAPACITY	VA/W	1000VA/720W	1200VA/900W	2000VA/1500W
BATTERY	VDC	12VDC		24VDC
INPUT	Nominal Voltage	220/230/240VAC		
	Voltage Range	170-280VAC (Narrow Range)		
		90-280VAC (Wide Range)		
OUTPUT	Voltage	230VAC		
	Voltage Regulation (Bat. Mode)	10% / -18%		
	Frequency	50Hz or 60Hz		
	Frequency Regulation (Bat. Mode)	+/-1 Hz		
	Output Waveform	Modified Sine-wave		
BATTERY & CHARGER	Charger Current	20Amp	15Amp	
	Overcharge Protection	16V	32V	
TRANSFER TIME	Typical	15ms Typical, 40ms Max.		
EFFICIENCY	AC to AC	>95%		
	DC to AC	>80%		
DISPLAY INDICATOR	AC Mode	Display output power, output voltage		
	Battery Mode	The mark will flicker every 1second.		
	Battery Charging Mode	Display the Battery capacity		
	Fault	Display fault		
AUDIBLE ALARM	Low Battery at Battery Mode	Sounding every 2 seconds		
	Overload	Sounding every 0.5 second		
	Fault	Continuously sounding		
PROTECTION	Full Protection	Discharge, overcharge, overload, over temperature protection.		
PHYSICAL	Dimension (DxWxH)	296.4mm (D) * 268.1mm (W) * 90.6mm (H)		
	Net Weight (kg)	1.98kg	2.29kg	2.17kg
ENVIRONMENT	Operating environment	0-50°C, 5%-90% relative humidity(non-condensing)		
	Storage Environment	-15°C to 55°C, 5% to 95% humidity(non-condensing)		
	Noise Level	Less than 50dB		