



THE OPTIMIZED GREEN ENERGY MANAGEMENT SOLUTION

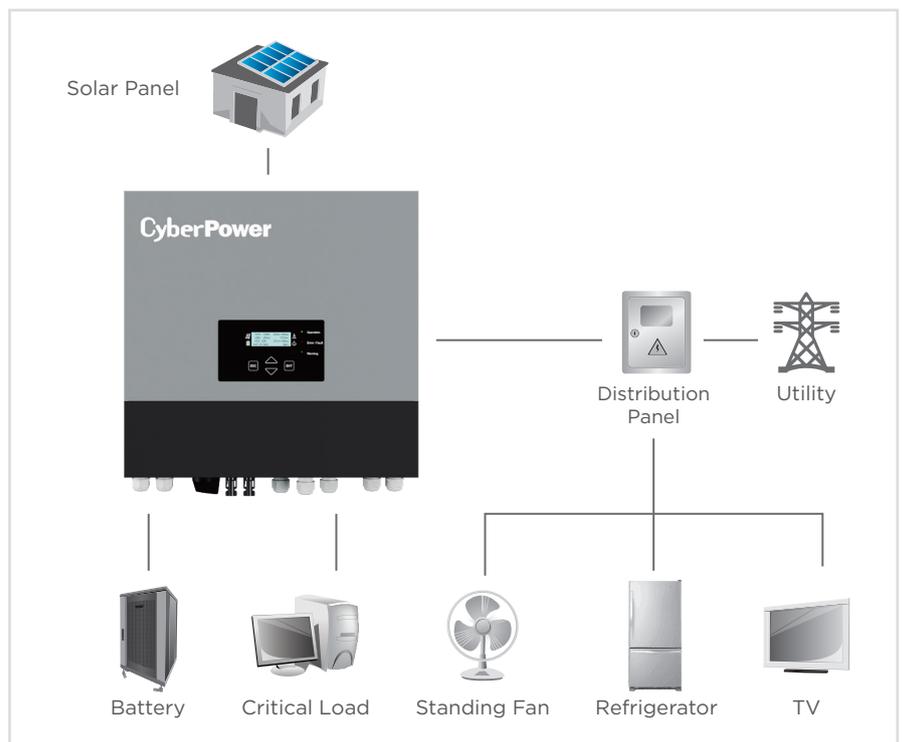
 <p>High DC to AC Energy Efficiency</p>	 <p>Battery-side High Frequency Transformer</p>	 <p>Dual Independent MPP Trackers</p>	 <p>Emergency Power Supply (EPS)</p>	 <p>Flexible Phase Configuration in Parallel</p>	 <p>LCD Status Display</p>
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The integrated hybrid PV inverter provides a perfect total solution for PV and battery energy management

Ideal for residential and commercial applications, the Hybrid PV Inverter Series works with solar panels and batteries to achieve a reliable energy storage system. The products provide stable power and make load priority to use solar energy, which can increase your level of self-consumption, minimizing the utility usage and electric bills. By utilizing the solar power, the inverters balance the power consumption of appliances and store the remaining energy into battery during the daytime, offering power from battery to appliances at nighttime. When the public grid is not available, the inverters become as emergency power supply to ensure secure and continuous power output.

SERIES FEATURES

- High DC to AC Energy Efficiency
- Battery-side High Frequency Transformer
- Maximum Power Point Tracking
- Dual Independent MPP Trackers
- Optimized Self-consumption Design
- Emergency Power Supply (EPS)
- Flexible Phase Configuration in Parallel
- Natural Cooling Convection
- Dustproof Design
- LCD Status Display
- LED Status Indicator



TECHNICAL SPECIFICATIONS

Model Name	CPSHB6000ETL48
General	
Phase	Single Phase
Topology	PV to Grid: Transformerless, Battery to Grid: HF Transformer
PV Input	
Nominal Input Power (Watts)	6400
Maximum Input Voltage (Vdc)	550
Maximum PV Power (Watts)	7800
Input Operation Voltage Range (Vdc)	80 - 550
Maximum MPPT Current (A)	13 / 13
Maximum DC Short Circuit Current (A)	16 / 16
MPP Voltage Range (Vdc)	240 - 500
Number of MPPT	2
Number of Strings per MPPT	1 / 1
Grid-Tied Output	
Nominal Output Voltage	220 / 230
Output Voltage Range (Vac)	184 - 264
Output Frequency Range (Hz)	50 ± 5, 60 ± 5
Nominal Output Power (kW/kVA)	6 / 6.1
Maximum Output Current (A)	27.3
Maximum Output Power (kW/kVA)	6 / 6.1
Power Factor	0.9 Leading - 0.9 Lagging
Harmonic Distortion	THD < 3%
Standalone Output	
Output Voltage (Vac)	230 ± 2.3
Output Frequency (Hz)	50 ± 0.02, 60 ± 0.02
Maximum Output Current (A)	22
Maximum Output Power (W)	With PV: 5000 / Without PV: 3000
Maximum Apparent Output Power (VA)	With PV: 5000 / Without PV: 3000
Power Factor	1
Harmonic Distortion	THD < 3%
Parallel Operation of Single Phase (Max. Units)	6
Parallel Operation of 3 Phase (Max. Units)	6
Outlet Type (Socket)	Hardwire Terminal Block x 1
Battery	
Maximum Charging Current (A)	60
Maximum Discharging Current (A)	60
Battery Type	Li-ion, Sealed Lead-acid, VRLA
Battery Voltage (V)	48
Performance	
Maximum Efficiency (%)	97.7%
Management & Communications	
LCD Panel	Yes
LED Indicators	Yes
Communication Port	RS485, Wi-Fi (Optional)
Physical	
Degree of Protection	IP4X
Physical Size	
Dimensions (WxHxD) (mm.)	480 x 472 x 170
Weight (kg.)	24
Environmental	
Operating Temperature (°C)	-25 - 60
Operating Relative Humidity (Non-condensing) (%)	0 - 100
Operating Elevation (feet/meters)	0-9,843 feet (0-3,000 meters)
Storage Temperature (°C)	-25 - 70
Cooling Method	Natural Convection
Certifications	
Certifications*	CE, IEC 62109-1/2, VDE0126-1-1 A1, EN 61000-6-2, EN 61000-6-3
RoHS	Yes

*Certifications may vary according to different regions. Visit www.cyberpower.com for more information.
 #All specifications are subject to change without notice.