

CPSHB6000ETL48/CPSHB6000ETL48-FR



### THE OPTIMIZED GREEN ENERGY MANAGEMENT SOLUTION

High DC to AC Energy Efficiency

Battery-side High Frequency Transformer

Dual Independent MPP Trackers

Emergency Power Supply (EPS)

Flexible Phase Configuration in Parallel

LCD Status Display

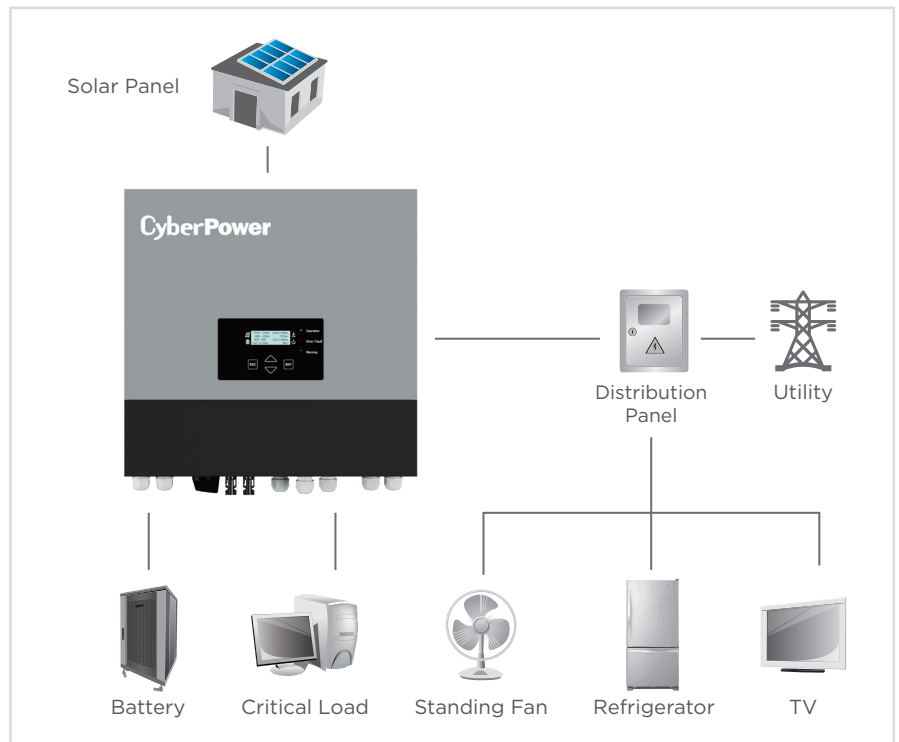
### The integrated hybrid PV inverter provides a perfect total solution for PV and battery energy management

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
- Optimized Self-consumption Design
- Dual Independent MPP Trackers
- Emergency Power Supply (EPS)
- Flexible Phase Configuration in Parallel
- Natural Cooling Convection\*
- Dustproof Design
- LCD Status Display
- LED Status Indicator

\*Selected Model(s)



## TECHNICAL SPECIFICATIONS

Model Name	CPSHB6000ETL48	CPSHB6000ETL48-FR
<b>General</b>		
Phase	Single Phase	
Topology	PV to Grid: Transformerless, Battery to Grid: HF Transformer	
<b>PV Input</b>		
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	
Efficiency MPPT (%)	99.9	
Number of MPPT	2	
Number of Strings per MPPT	1/1	
<b>Grid-Tied Output</b>		
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%	
<b>Standalone Output</b>		
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	5000
Maximum Apparent Output Power (VA)	With PV: 5000 / Without PV: 3000	5000
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	
<b>Battery</b>		
Maximum Charging Current (A)	60	100
Maximum Discharging Current (A)	60	100
Battery Type	Li-ion, Sealed Lead-acid, VRLA	
Battery Voltage (V)	48	
<b>Performance</b>		
Maximum Efficiency (%)	97.7%	
Night Time Consumption (Watts)	< 0.1	
<b>Management &amp; Communications</b>		
LCD Panel	Yes	
LED Indicators	Yes	
Communication Port	RS485, Wi-Fi (Optional)	
<b>Physical</b>		
Degree of Protection	IP4X	
<b>Physical Size</b>		
Dimensions (WxHxD) (mm.)	480 x 472 x 170	480 x 472 x 187
Weight (kg.)	24	24.5
<b>Environmental</b>		
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	Fan
<b>Certifications</b>		
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](http://www.cyberpower.com) for more information.  
#All specifications are subject to change without notice.