

CPSPV7000/8000/9000/10000/12000ETL

Grid-Tied Inverter

Transforms the Solar Energy
to Your Daily Life!



Dual MPP Trackers	Three-Phase Transformerless	Enclosure Rating IP65
High Efficiency	Metering/ Data Logging	Real-Time LED/LCD Display

CyberPower Grid-Tied PV Inverter is designed to convert solar electric (photovoltaic or PV) power into utility-grade electricity that can be fed into commercial grid. The three-phase transformerless design not only demonstrates its market-leading safety performance but ensures users can be benefited from the maximum 98% conversion efficiency. With dual built-in MPP trackers, the algorithm creates a nearly-perfect 99.5% tracking efficiency to ensure maximum energy yields so that you won't miss a single drop on every solar power generated!

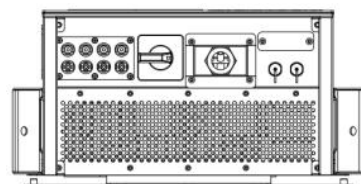
The sealed inverter section achieves enclosure rating IP65 for protection from water and dust damages so that makes it perfect for outdoor application regardless of any strict conditions. Through the multi-language LCD display, it could provide system status update and daily cumulative information including data logger, multi meter and energy record for better user experience and monitoring management.

APPLICATIONS

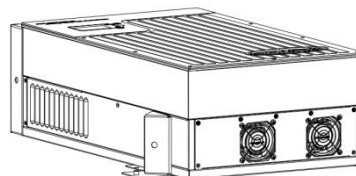
- Grid-tied PV System
- Residential / commercial Application

SERIES FEATURES

- High Efficiency up to 98%
- Europe Efficiency up to 97.5%
- Dual Independent MPP Trackers
- Three-Phase Transformerless Design
- Integrated DC Disconnect Switch
- Adjustable Reactive Power (0.8 Lag - 0.8 Lead)
- Wide PV Voltage Range (300-1000V)
- Complete LED / LCD indication for operating status
- Metering and Data Logging
- IP65 Compliant for Outdoor Application



Front



Back

Knock Detection Display



The LCD display is knock detected. To initiate the display, knock to turn on the background light. Operate by knocks to change the item displayed. The innovative front panel displays vital information including: wattage, voltage, frequency, status and events. Intuitive graphical with 10 years data-logger and real-time clock ensures a better user experience for monitoring.

TECHNICAL SPECIFICATION

Model	CPSPV7000ETL	CPSPV8000ETL	CPSPV9000ETL	CPSPV10000ETL	CPSPV12000ETL
Solar input (DC)					
Maximum input voltage	1000 V				
Input MPPT voltage range	300 ~ 800 V		320 ~ 800 V	400 ~ 800 V	
Input operation voltage range	300 ~ 1000 V	300 ~ 1000 V	300 ~ 1000 V	300 ~ 1000 V	300 ~ 1000 V
Maximum input current	15.0/15.0 A				17.0/17.0 A
Nominal input power	7560 W	8640 W	9720 W	10800 W	12960 W
Efficiency MPP tracker	99.5%				
Number of MPPT trackers	2				
Number of string inputs (per MPPT)	2				
Grid output (AC)					
Mains output voltage range	184Vac to 275Vac (3/N/PE, 230V/400V)				
Maximum output current	11.7 A	13.3 A	15.0 A	16.0 A	19.0 A
Rated output power	7 KW	8 KW	9 KW	10 KW	12 KW
Maximum apparent output power	7 KVA	8 KVA	9 KVA	10 KVA	12 KVA
Mains output frequency	50 / 60 Hz (-6Hz/+5Hz)				
Output power factor	0.8 over-excited ~ 0.8 under-excited				
Output current THD	Less than 3%				
Performance					
Maximum efficiency	98.0%				
European efficiency	97.5%				
Night time consumption	Less than 0.5 Watt				
Mechanical protection degree	IP65				
Topology	Transformerless				
Environment					
Operating temperature	-20°C to 60°C				
Storage temperature	-20°C to 70°C				
Relative humidity	0...95 % (non-condensing)				
Maximum operating altitude	2000m				
Cooling method	Smart cooling				
Other					
Dimensions (H × W × D) (mm)	740 × 490 × 235				
Weight (kg)	41 kg				
Communication	RS232, RS485				
Standard	Safety: IEC 62019				
	Grid interface: VDE0126-1-1				
	EMC: EN61000-6-2 / EN61000-6-3 / EN61000-3-2 / EN61000-3-3 / EN61000-3-11 / EN61000-3-12				
Warranty	5 years standard (option over 10 years)				

#All specifications are subject to change without notice. ©2015 Cyber Power Systems. All Trademarks are the property of their owners.