



MicroPV 2500L Series

2000W / 2500W 3:3 / PF-1

MicroPV 2500 Series is a 10ft containerized Solar Inverter solution widely used in large-scale centralized power supply projects such as remote areas, islands, and distributed generation. Its solution is convenient to transport and easy to install which will greatly shorten the construction period and save construction costs as it can be directly installed outdoors. MicroPV Series is equipped with a one-stop intelligent data management platform to provide flexible and efficient solutions for industrial and commercial power stations, poverty alleviation power stations, and ground power stations. MicroPV 2500 series provides flexible two capacities options of 2000W / 2500W that fit any large-scale solar distributed power plant



Max. PV voltage up to 1000V
Max. 4 0 DC inputs



Ip54 Outdoor Protection
Modular design for
Easy maintenance



Max. DC/AC ratio up to 1.5
Full power output under 50°C



AGC/AVC
Night SVG function
LVRT/HVRT/FRT function

Technical Specifications

MODEL	MicroPV 2000L	MicroPV 2500L
Input		
Max. DC input voltage	1000Vdc	
MPPT voltage range	580~850Vdc	
Number of DC input	16(400A) / 40(200A)	
Max. input current	3870A	4400A
Output		
Rated output power	2000kW	2500kW
Max. output power	2200kW	2750kW
Rated output voltage	400Vac	
Output voltage range	(1±15%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	2888A	3608A
Max. AC output current	3176A	3970A
Power factor (cosφ)	1 (0.9 leading – 0.9 lagging) (adjustable)	
THDi	<3%	
System features		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<100W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
Environment		
Operating temperature range	-40℃ ~ +60℃ (More than 50℃ derating)	
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP54	
Protection devices		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
Physical		
Dimensions W x D x H (mm)	2991x2438x2591	
Weight(t)	5	5.2

Specifications subject to change without prior notice.