MicroPV 3000H Series

2500W / 3000W 3:3 / PF-1

MicroPV 3000H Series is a 20ft containerized Solar Inverter solution widely used in large-scale centralized power supply projects such as remote areas, islands, and distributed generation. This 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 3000H series provides flexible two capacities options of 2500W / 3000W that fit any large-scale solar distributed power plant

Max. PV voltage up to 1500V
Max. 24 DC inputs

Ip54 Outdoor Protection
Modular design for
Easy maintenance

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

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

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Technical Specifications

MODEL	MicroPV 3000H-MV
Input	
Max. DC input voltage	1500Vdc
MPPT voltage range	800~1300Vdc
Number of DC input	20~24
Max. input current	3500A
Output	
Rated output power	2500kW
Max. output power	2750kW
AC output voltage	10~35kV
LV/MV voltage	0.55kV / 10~35kV
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)
Power factor (cosΦ)	1（0.9 leading – 0.9 lagging) (adjustable)
THDi	<3%
System features	
Inverter Max. efficiency	99%
Inverter Euro efficiency	98.7%
MPPT efficiency	>99%
Cooling type	Forced air cooling
Communication interface	RS485, External Ethernet (optional)
Environment	
Operating temperature range	$-40℃\sim+60℃$（More than 50℃ derating）
Humidity range	0～95% (non-condensing)
Altitude	2000m
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
DC surge protection	Yes
AC surge protection	Yes
DC reverse-polarity protection	Yes
Physical	
Dimensions W x D x H (mm)	6058X2438X2896
Weight(t)	16

Specifications subject to change without prior notice.

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