

MPI HYBRID WP SERIES

MPI 12K WP

MPI 15K WP

Rated Power		
Continuous Output	12,000W	15,000W
Parallel-Ready	Yes, up to 6 units	
PV Input Rating (GRID-TIE)		
Max PV Input Power	16,000W	
Max PV Input Voltage	1,000V	
Start-up / Initial Feeding Voltage	320 / 350 Vdc	
PV MPPT Range	350 - 950 Vdc	
Max PV Input Current	26A each	
MPPT Tracker	2	
Max DC/AC Conversion Efficiency	96%	
AC Input		
Start-up / Auto Restart Voltage	120 - 140Vac / 180Vac	
Input Voltage Range	170 - 290Vac	
Nominal Frequency	50 / 60 Hz	
Max AC Input Current	40A	
AC Output		
Nominal AC Output Voltage	3-Phase 400Vac (P-P)	
Output Voltage Range	184 - 265Vac per phase	
Output Frequency (GRID-TIE)	47.5 - 51.5Hz / 59.3 - 60.5 Hz	
Output Frequency (OFF-GRID)	50 / 60Hz, auto-sensing	
Output Waveform	Pure Sine Wave	
Max Output Power (grid relay enabled)*	24KW	
Max Output Power (battery mode)	12,000W	15,000W
Max Efficiency	91%	
Battery Charger		
DC Voltage Range	40 - 62Vdc	
Nominal DC Voltage	48Vdc	
Max Charging Current	250A	300A
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS		
Ingress Protection Rating	IP65	
Communication Port	RS232 / USB / BMS / WIFI / Dry Contact / Intelligent Slot	
Certifications	EN62109-1, EN62109-2, EN62040-1 / CE VDE4105, VDE0126-1-1	
Operating Temp.	-25 to 60°C (power derating starts >45°C)	
Operating Humidity	0 - 100% RH (No condensing)	
Operating Altitude	max 1000m (power derating 1% per 100m beyond 1000m)	
Dimension	750 x 660 x 255mm	
Net Weight	69KG	72KG

*applicable to Off-Grid modes I and II only

Product specifications are subject to change without further notice.