

BLUE MOUNTAIN ENERGY

Hybrid Solar Inverter



Hybrid Solar Inverter

BME-WP-12/ BME-WP-15

Features

- IP65 waterproof and dustproof makes the inverter available for various working conditions
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalanced load support
- Dual outputs for smart load control
- Built-in AC coupled function
- User-adjustable charging current and voltage
- Reserved communication port for BMS (RS485)
- Parallel operation up to 6 units



Hybrid Solar Inverter

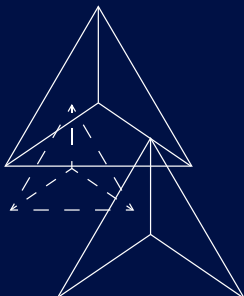
BME-WP-12/ BME-WP-15

SPECIFICATIONS			
MAXIMUM PV INPUT POWER	16000W		22500W
RATED OUTPUT POWER	12000 W		15000 W
MAXIMUM CHARGING POWER	12000 W		15000 W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 1000 VDC		720 VDC / 1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC	
MPP Voltage Range	350 VDC - 850 VDC		350 VDC - 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2		A: 2, B: 2
GRID OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range		184 - 265 VAC per phase	
Nominal Output Current	17.4 A per phase		21.7 A per phase
Power Factor range		0.9 lag - 0.9 lead	
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)		>96%	
European Efficiency@ Vnominal		>95%	
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 290 VAC per phase	
Maximum AC Input Current	40 A		40 A
PV INPUT (DC)			
Maximum DC Power	16000W		22500W
Maximum DC Voltage	1000 VDC		1000 VDC
MPP Voltage Range	350 VDC - 950 VDC		350 VDC - 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2		A: 2, B: 2
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Output Waveform		Pure sine wave	
Efficiency (DC to AC)	91%		91%
HYBRID OPERATION			
PV INPUT (DC)			
Maximum DC Voltage	1000 VDC		1000 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC	
MPP Voltage Range	350 VDC - 950 VDC		350 VDC - 950 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 27A, B: 27A		2 / A: 27A, B: 27A
Number of Strings Per MPP Tracker	A: 2, B: 2		A: 2, B: 2
GRID OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range		184 - 265 VAC per phase	
Nominal Output Current	17.4 A per phase		21.7 A per phase
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 290 VAC per phase	
Maximum AC Input Current	40 A		40 A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	91%		91%
BATTERY & CHARGER			
Battery Voltage Range	40 - 62 VDC		40 - 62 VDC
Maximum Charging Current	250 A		300 A
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)		255 x 660 x 750	
Net Weight (kgs)	75		78
INTERACE			
Communication Port		RS-232, RS-485, USB, CAN and Wi-Fi	
Intelligent Slot		Optional for SNMP and Modbus cards	
ENVIRONMENT			
Humidity		0 - 100% RH (Non-condensing)	
Operating Temperature		-25 to 60°C, > 45°C power derating	
Altitude		0 - 1000 m**	

*These figures are based on VDE-4105 standard. All figures may vary depending on different AC voltage and country requirements.

** Power derating 1% every 100 m when altitude is over 1000m

Product specifications are subject to change without further notice.



BLUE MOUNTAIN ENERGY

For further information visit www.bluemountainpv.com

© 2022 Blue Mountain Energy LTD.

Blue Mountain Energy Ltd. Crown House, 27 Old Gloucester Street, London WC1N 3AX

Made in China. All information contained in this document is subject to change without notice.