

# BLUE MOUNTAIN ENERGY

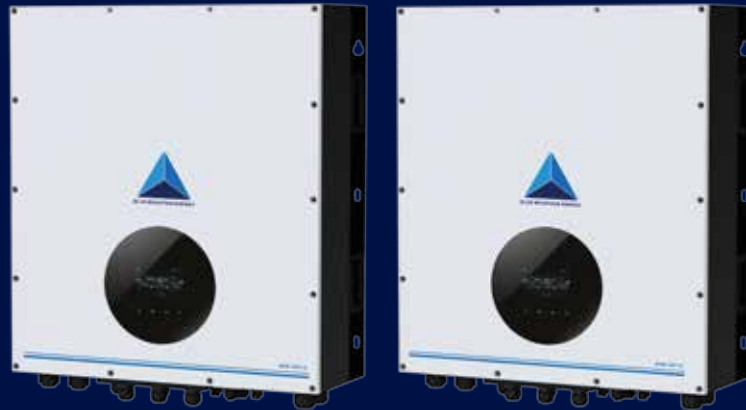
## Hybrid Solar Inverter



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## Hybrid Solar Inverter

### 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

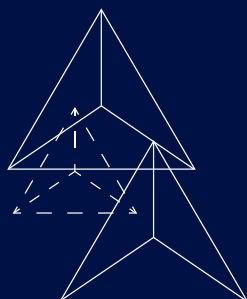
BME-WP-12/ BME-WP-15

SPECIFICATIONS			
<b>MAXIMUM PV INPUT POWER</b>	16000W		22500W
<b>RATED OUTPUT POWER</b>	12000 W		15000 W
<b>MAXIMUM CHARGING POWER</b>	12000 W		15000 W
<b>GRID-TIE OPERATION</b>			
<b>PV INPUT (DC)</b>			
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
<b>GRID OUTPUT (AC)</b>			
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	
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)		>96%	
European Efficiency@ Vnominal		>95%	
<b>OFF-GRID OPERATION</b>			
<b>AC INPUT</b>			
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
<b>PV INPUT (DC)</b>			
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
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Output Waveform		Pure sine wave	
Efficiency (DC to AC)	91%		91%
<b>HYBRID OPERATION</b>			
<b>PV INPUT (DC)</b>			
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
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Maximum AC Input Current	40 A		40 A
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Efficiency (DC to AC)	91%		91%
<b>BATTERY &amp; CHARGER</b>			
Battery Voltage Range	40 - 62 VDC		40 - 62 VDC
Maximum Charging Current	250 A		300 A
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)		255 x 660 x 750	
Net Weight (kgs)	75		78
<b>INTERACE</b>			
Communication Port		RS-232, RS-485, USB, CAN and Wi-Fi	
Intelligent Slot		Optional for SNMP and Modbus cards	
<b>ENVIRONMENT</b>			
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](http://www.bluemountainpv.com)

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