

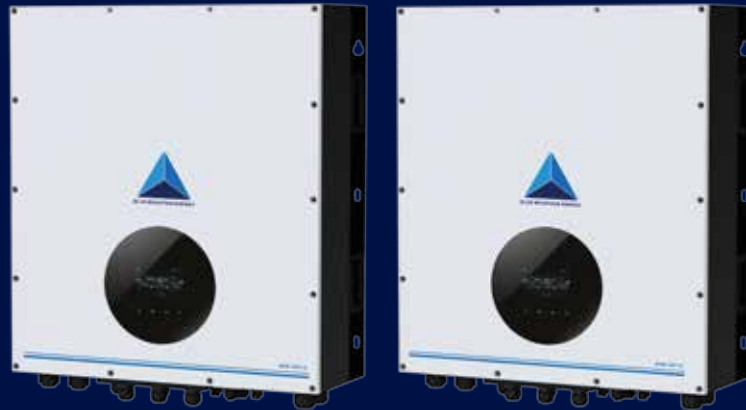
BLUE MOUNTAIN ENERGY

Hybrid Solar Inverter

www.Solar8.co.za

012 0043 488

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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

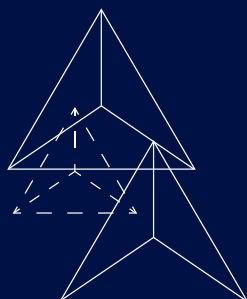
BME-WP-12/ BME-WP-15

| SPECIFICATIONS | | | |
|--|--------------------|------------------------------------|--------------------|
| 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 |
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| 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

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