BLUE MOUNTAIN ENERGY
Hybrid Solar Inverter

Hybrid Solar Inverter

BME-3P-10 / BME-3P-15

Features

- Self-consumption and feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operations modes: Grid tie, Off grid, and grid-tie with backup
- Built-in Timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real time status display and control
- Custom-made firmware by ODM contract
- Parallel operation up to 6 units

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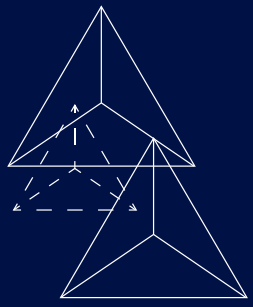
SPECIFICATIONS			
PHASE		3-phase in / 3-phase out	
MAXIMUM PV INPUT POWER	14850 W		22500 W
RATED OUTPUT POWER	10000 W		15000 W
MAXIMUM CHARGING POWER	9600 W		15000 W
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		320 VDC / 350 VDC
MPP Voltage Range	400 VDC - 800 VDC		400 VDC - 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A		2 / A: 37.65A; B: 18.6A
GRID OUTPUT (AC)			
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)	
Output Voltage Range	184 - 265VAC* per phase		184 - 264.5VAC per phase
Nominal Output Current	14.5A per phase		21.7A per phase
Power Factor		> 0.99	
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 per phase / 180 VAC per phase	
Acceptable Input Voltage Range		170 - 280 VAC per phase	
Maximum AC Input Current		40 A	
PV INPUT (DC)			
Maximum DC Voltage	900 VDC		900 VDC
MPP Voltage Range	400 VDC - 800 VDC		350 VDC - 850 VDC
Number of MPP Trackers/Maximum Input Current	2 / 2 x 18.6A		2 / A: 37.65A; B: 18.6A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		230 VAC (P-N) / 400 VAC (P-P)
Output Waveform		Pure Sinewave	
Efficiency (DC to AC)	91%		91%
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC		320 VDC / 350 VDC
MPP Voltage Range	400 VDC - 800 VDC		350 VDC - 850 VDC
Number of MPP Trackers/Maximum Input Current	2 / 2 x 18.6A		2 / A: 37.65A; B: 18.6A
GRID OUTPUT (AC)			
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)		230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase		184 - 264.5 VACper phase
Nominal Output Current	14.5 A per phase		21.7A per phase
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase		120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase		170 - 280 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)		230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%		91%
BATTERY & CHARGER			
Nominal DC Voltage		48 VDC	
Maximum Charging Current	Default 60A, 10A - 200A (Adjustable)		Default 60A, 5A - 300A (Adjustable)
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	167.2 x 500 x 622		219 x 650 x 820
Net Weight (kgs)	40		62
INTERFACE			
Communication Port		RS-232, USB and Dry contact. Optional BMS box available.	
Intelligent Slot		Optional SNMP, Modbus, WiFi, BMS and AS-400 cards available	
ENVIRONMENT			
Humidity		0 - 90% RH (Non-Condensing)	
Operating Temperature		-10 to 55°C	
Altitude		0 - 1000 m**	

*These 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.



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For further information visit www.bluemountainpv.com

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