

PMA inverter module

125-135kW



KEY STRENGTHS

USER FRIENDLY DESIGN

- Front maintained and back maintained optional.
- Human-computer interaction support 10.1" touch screen/local web/upper computer.

SAFE&RELIABLE

- Independent air duct fan cooling.
- Well established industrial IGBT power modules.
- Integrated ground-fault monitoring and residual current monitoring and AC relay automatic checking.

ABUNDANT CONFIGURATION

- Off-grid supports unbalanced and half-wave loads on both.
- On-grid supports split-phase power control.
- Support for small-power diesel generator grid connection.
- Supports remote upgrade,integrated local fault recorders.

APPLICATIONS



Peak load shifting



Demand side management



Emergency power supply



Dynamic expansion

Model	PMA0125	PMA0135
DC data		
Max. DC continuous power (kW)	137	148
Operating DC voltage range (Vdc)	590~950(3W+PE)/650~950(3W+N+PE)	
Full load DC voltage range (Vdc)	600~900(3W+PE)/680~900(3W+N+PE)	
Max. DC current (A)	±250	±270
Max. DC continuous current (A)	±230	±247
Voltage stabilization accuracy	±1%	
Current stabilization accuracy	±2% (Of rated power)	
AC data(on-grid)		
Rated AC power (kW)	125	135
Max. AC power (kVA)	150	162
Max. AC continuous power (kVA)	137	148
Grid type	3W+PE or 3W+N+PE	
Rated AC voltage (Vac)	400/230	
Rated AC current (A)	180	194
Max. AC current (A)	216	233
Max. AC continuous current (A)	198	214
THDi	< 3% (Of rated power)	
Rated voltage/voltage range (V)	400±15% (According to load standards)	
Rated frequency/frequency range (Hz)	50±5 / 60±5 (According to load standards)	
Adjustable power factor range	>0.99; -1~ +1	
AC data(off-grid)		
Rated AC power (kW)	125	135
Max. AC power (kVA)	150	162
Max. AC continuous power (kVA)	137	148
Max. AC current (A)	216	233
Max. AC continuous current (A)	198	214
Rated voltage (V)	L-N:220/230/240; L-L:380/400/415	
Rated frequency (Hz)	50/60	
Voltage accuracy	±1%	
Frequency accuracy (Hz)	50/60 ± 0.2%	
THDu	<3% (Of linear balance load)	
DC voltage component	<0.5%Un(Of linear balance load)	
Output voltage imbalance	±1%; 120 ±1° (Of linear balance load)	
Load unbalance	100% Three-phase unbalanced	
Overload capacity	≤110%:Continuous; 110%~≤120%:2min; > 120%:200ms	
Communication parameters		
Human-computer interaction	10.1" Touch screen / Local web/ Upper computer (Optional)	
Communication interface	Ethernet/RS485/CAN	
Communication with BMS	RS485/CAN (Optional)	
Communication with EMS	RS485/Ethernet (Optional)	
General		
Max. efficiency	98.5%	
Charge/discharge switching time (ms)	< 20	
Relative humidity	< 95% (Non-condensing)	
Operating temperature range (°C)	-30~+60 (>45 Derating)	
Storage temperature range (°C)	-40~+70	
Max. operating altitude (m)	5,000 (>3,000 Derating)	
Noise emission (dB)	< 70	
Over voltage category	DC type II / AC type III	
Pollution degree	External PD3; Internal PD2	
Protection degree	IP20 (Power compartment) IP5X (Control compartment)	
Cooling	Intelligent forced air-cooling	
DC connector	Quick plug terminal (front maintained), hot plug (quick connector) (back maintained)	
AC connector	Quick plug terminal (front maintained), hot plug (quick connector) (back maintained)	
Installation style	Rack-mounted (Vertical/horizontal)	
Dimension W*D*H (mm)	690(without mounting ears 650)*700*220 5U	
Weight (kg)	75	