

PM Modular Series Product

PMAE modular on-grid inverter



PMA module parameters

DC(battery)

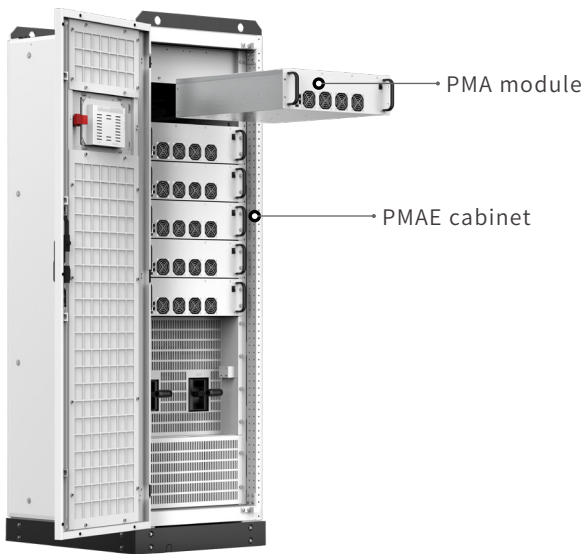
Model	PMA060	PMA0100
Max. DC power (kW)	75	126
DC voltage range (V)	700~950 (720~900 full load)	
Max. DC current(A)	±110	±180
Voltage stabilization accuracy	±1%	
Current stabilization accuracy	±2%	

AC(on-grid)

Rated AC power (kW)	62.5	105
Max. AC power (kW)	75	126
Voltage scale	3W+PE	
Rated voltage(V)	480	
Rated AC current (A)	75	126
Max. AC current(A)	90	150
THDi	<3%	
Allowable grid voltage range (V)	480±15%	
Allowable grid frequency range (Hz)	60/50±2.5	
Power factor adjustment range	-1~+1	
Active power accuracy	1%	
Reactive power accuracy	2%	

System

Max. efficiency	98.5%	98.7%
Charge/discharge switching time (ms)	<20	
Protection degree	IP20	
Relative humidity	<95% (Non-condensing)	
Operating temperature range	-30~60 (derating over 45°C)	
Max. operating altitude	5,000m(>3,000m derating)	
Communication interface	RS485/CAN/Ethernet	
BMS/EMS access	Yes	
Dimensions (W*D*H)	440*550*133	
Weight (kg)	30	40



Key strengths

- | Intelligent electrical protection with fault isolation and fast breaking.
- | Pre-assembled standard products for flexible configuration on demand.
- | System capacity can be freely matched, single cabinet and multiple cabinets can be easily managed.
- | The 10 inch industrial screen with integrated EMS function ,supports local remote maintenance.
- | Multiple safety protection with SPD ISO GFCI monitoring function and intelligent electrical protection linkage.
- | Bluetooth APP interaction is easy to debug and monitor.

PMAE cabinet parameters

DC(battery)

Model	PMAE0250	PMAE0500	PMAE0630
Quantity of battery strings	1/4	1/5	1/6
DC voltage range (V)	700~950 (720~900 full load)		
Max. DC current(A)	±440	±900	±1080
Voltage stabilization accuracy	±1%		
Current stabilization accuracy	±2%		

AC(on-grid)

Rated AC power (kW)	250	500	630
Max. AC power (kW)	275	550	693
Voltage scale	3W+PE		
Rated voltage(V)	480		
Rated AC current (A)	300	600	758
Max. AC current(A)	330	660	833
THDi	<3%		
Allowable grid voltage range (V)	480±15%		
Allowable grid frequency range (Hz)	60/50±2.5		
Power factor adjustment range	-1~+1		
Active power accuracy	1%		
Reactive power accuracy	2%		

System

Max. efficiency	98.5%	98.7%	98.7%
Charge/discharge switching time (ms)	<20		
Protection degree	IP20		
Relative humidity	<95% (Non-condensing)		
Operating temperature range	-30~60 (derating over 45°C)		
Max. operating altitude	5,000m(>3,000m derating)		
Communication interface	RS485/CAN/Ethernet		
BMS/EMS access	Yes		
Dimensions (W*D*H)	600*750*1,800		
Weight (kg)	300	430	470