

PM Modular Series Product

# PMAE modular on-grid inverter

## PMA module parameters

### DC(battery)

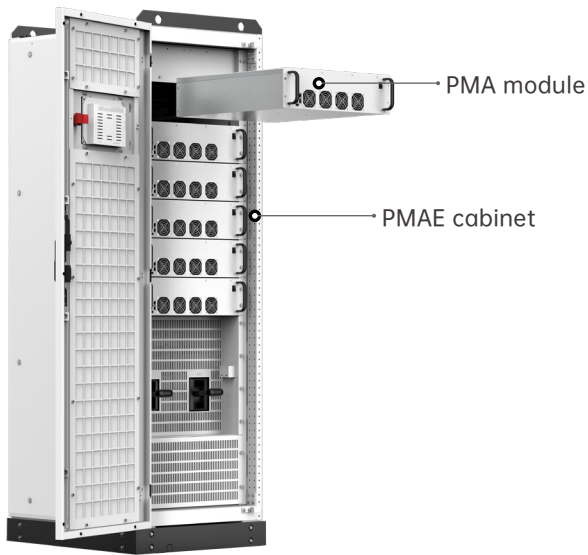
Model	PMA060	PMA0100
Max. DC power (kW)	75	126
DC voltage range (V)	590~950 (600~900 full load)	
Max. DC current (A)	±125	±200
Voltage stabilization accuracy	±1%	
Current stabilization accuracy	±2%	

### AC(on-grid)

Rated AC power (kW)	62.5	105
Max. AC power (kW)	75	126
Voltage scale	3W+PE	
Rated voltage (V)	400	
Rated AC current (A)	90	166
Max. AC current (A)	110	200
THDi	< 3%	
Allowable grid voltage range (V)	400±15%	
Allowable grid frequency range (Hz)	50±2	
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	
Dimension W*D*H (mm)	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)	590~950 (600~900 full load)	590~950 (600~900 full load)	590~950 (600~900 full load)
Max. DC current (A)	±500	±1,000	±1,200
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)		400	
Rated AC current (A)	360	722	909
Max. AC current (A)	433	866	1,090
THDi		< 3%	
Allowable grid voltage range (V)		400±15%	
Allowable grid frequency range (Hz)		50±2	
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	
Dimension W*D*H (mm)		600*750*1,800	
Weight (kg)	300	430	470