

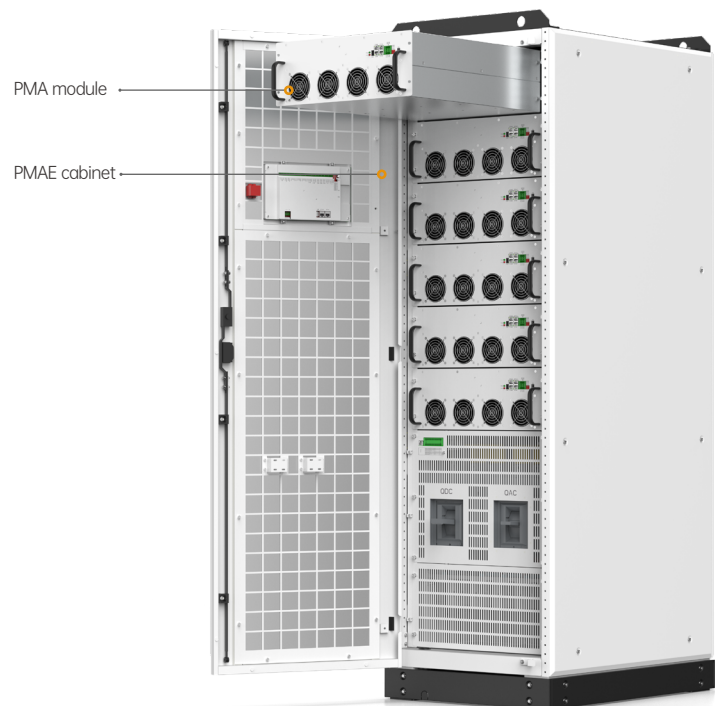
PM Modular Series Product

PMAE modular inverter



Key strengths

- Modular design easy maintenance and expansion
- Smart hibernate efficiency increased by 5%.
- 10.1" Touch screen, Integrated local EMS and BMS.
- Multi-string technology for better battery safety and performance.
- Modular design N+X redundancy.
- Standard electrical and mechanical design.



Model	PMAE0315	PMAE0420	PMAE0525	PMAE0630
Parameters for DC side				
Number of modules	3	4	5	6
Operating DC voltage range (V)	600~950			
Full load DC voltage range (V)	650~900			
Max. DC current (A)	±541	±722	±902	±1082
Voltage accuracy	±1%			
Current accuracy	±2%			
Parameters for AC side				
Rated active power(kW)	315	420	525	630
Max. apparent power (kVA)	347	462	578	693
Grid type	3W+PE			
Rated AC voltage (V)	400			
Rated AC current (A)	455	606	758	909
Max. AC current (A)	500	667	834	1000
THDi	< 3% (of rated power)			
Grid voltage range (V)	400±15% (According to load standards)			
Grid frequency range (Hz)	50±5 / 60±5 (According to load standards)			
Adjustable power factor range	>0.99; -1~ +1			
Communication parameters				
Human-computer interaction	10.1" Touch screen			
Communication interface	Ethernet/RS485/CAN			
Communication with BMS	RS485/CAN(optional)			
Communication with EMS	RS485/Ethernet(optional)			
Protection parameters				
Over voltage category	DC type II / AC type III			
Protection class	Class I			
DC shorted protection	Isolating switch+fuse			
AC shorted protection	Breaker			
Insulation resistor detection	Integrated			
AC relay automatic checking	Integrated			
General parameters				
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)			
Protection degree	IP20			
Cooling	Intelligent forced air-cooling			
DC connector	OT/DT terminal(permanently connected)			
AC connector	OT/DT terminal(permanently connected)			
Dimension W*D*H (mm)	600*850*1,950			
Weight (kg)	340	390	440	480

APPLICATIONS



Demand side management



Emergency power supply



Peak load shifting



Dynamic expansion