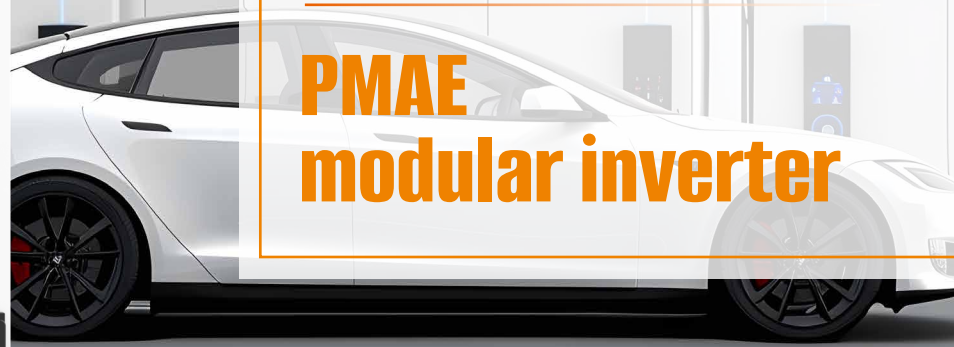


PM Modular Series Product

# PMAE modular inverter

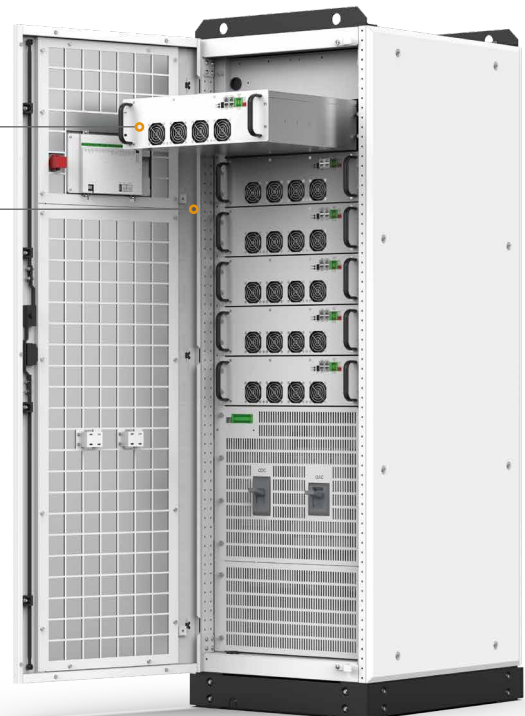


## Key strengths

- Hot plug PCS module 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.

PMA module

PMAE cabinet



| Model                                | PMAE0150                                  | PMAE0200 | PMAE0250 | PMAE0300 | PMAE0350 |
|--------------------------------------|---|----------|----------|----------|----------|
| <b>Parameters for DC side</b>        |   |          |          |          |          |
| Number of modules                    | 3   | 4        | 4        | 5        | 6        |
| Operating DC voltage range (V)       | 600~950                                   |          |          |          |          |
| Full load DC voltage range (V)       | 650~900                                   |          |          |          |          |
| Max. DC current (A)                  | ±257                                      | ±344     | ±430     | ±515     | ±600     |
| Voltage accuracy                     | ±1%                                       |          |          |          |          |
| Current accuracy                     | ±2%                                       |          |          |          |          |
| <b>Parameters for AC side</b>        |   |          |          |          |          |
| Rated active power(kW)               | 150                                       | 200      | 250      | 300      | 350      |
| Max. apparent power (kVA)            | 165                                       | 220      | 275      | 330      | 385      |
| Grid type                            | 3W+PE                                     |          |          |          |          |
| Rated AC voltage (V)                 | 400                                       |          |          |          |          |
| Rated AC current (A)                 | 216                                       | 288      | 360      | 433      | 505      |
| Max. AC current (A)                  | 238                                       | 318      | 396      | 476      | 555      |
| 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                             |          |          |          |          |
| <b>Communication parameters</b>      |   |          |          |          |          |
| Human-computer interaction           | 10.1" Touch screen                        |          |          |          |          |
| Communication interface              | Ethernet/RS485/CAN                        |          |          |          |          |
| Communication with BMS               | RS485/CAN(optional)                       |          |          |          |          |
| Communication with EMS               | RS485/Ethernet(optional)                  |          |          |          |          |
| <b>Protection parameters</b>         |   |          |          |          |          |
| Over voltage category                | DC type II / AC type III                  |          |          |          |          |
| Protection class                     | Class I                                   |          |          |          |          |
| DC shorted protection                | Breaker                                   |          |          |          |          |
| AC shorted protection                | Breaker                                   |          |          |          |          |
| Insulation resistor detection        | Integrated                                |          |          |          |          |
| AC relay automatic checking          | Integrated                                |          |          |          |          |
| <b>General parameters</b>            |   |          |          |          |          |
| 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                         | Quick connector(support hot plug)         |          |          |          |          |
| AC connector                         | Quick connector(support hot plug)         |          |          |          |          |
| Dimension W*D*H (mm)                 | 600*750*1,800                             |          |          |          |          |
| Weight (kg)                          | 290                                       | 320      | 320      | 350      | 380      |

## APPLICATIONS



Demand side management



Emergency power supply



Peak load shifting



Dynamic expansion