

# 600W-1000W Micro Inverter 2-1



PE600M1, PE800M1, PE1000M1



#### Smart App

Free smart WIFI monitor, can be installed within 30S



#### Individual MPPT

2 individual MPPT trackers, max efficiency up to 99%



#### Flexibility

Parallel-able version optional for easy expansion



#### IP67

IP67 protection, optimizes the performance, 10 years warranty.



#### Safety

Low starting voltage (up to 60Vdc PV input), relay integrated for better protection



#### DIY

Easy installation, intelligent operation, user friendly

## Residential Energy Storage System

Energy Storage System Series-Residential Energy Storage Battery Cabinet



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	PE600M1		PE800M1		PE1000M1	
<b>DC Input Data</b>						
Commonly used module power (W)	210 to 455W (2 Piece)		210 to 550W+ (2 Pieces)		210 to 650W+ (2 Pieces)	
Maximum input voltage (V)	60V					
MPPT voltage range (V)	25~55V					
Start-up voltage (V)	25V					
Maximum input current (A)	2×13A					
Maximum input short circuit current (A)	2×19.5A					
Number of MPPT	2					
Number of Inputs per MPPT	1					
<b>AC Output Data</b>						
Rated output power (VA)	600VA		800VA		1000VA	
Rated output current (A)	2.7A	2.6A	3.6A	3.5A	4.5A	4.4A
Nominal output voltage/range (V)	220V/ 180-275V	230V/ 180-275V	220V/ 180-275V	230V/ 180-275V	220V/ 180-275V	230V/ 180-275V
Nominal frequency/range (Hz)	50/48~52Hz or 60/58~62Hz					
Power factor	>0.99					
Total harmonic distortion	< 3%					
Maximum units per 13 AWG branch <sup>2</sup>	8pcs		6pcs		5pcs	
<b>Efficiency</b>						
Peak inverter efficiency	96.5%					
CEC weighted efficiency	95%					
Nominal MPPT efficiency	99%					
Night power consumption (mW)	<50mW					
<b>Mechanical Data</b>						
Ambient temperature range (°C)	-40~65°C					
Enclosure rating	IP67					
Cooling	Natural Cooling -No fans					
Product dimensions (W×H×D mm)	212x230x44.75mm					
Packing size (W×H×D mm)	Inner box (1pc/ctn): 440*286*68mm; Master carton(5pcs/ctn):455*305*355 mm					
Product weight. (kg, per piece)	Independent type(1pc): 4.0kg; (Parallel-able type(1pc): 3.5kgs					
G.W. per inner box (kgs)	Independent type(1pc/ctn): 4.4kg/ctn; (Parallel-able type(1pc/ctn): 4kgs					
<b>Others</b>						
Communication	WiFi					
Compliance	EN 50549-1: 2019, VDE-AR-N 4105: 2018, IEC62109, CEI021, VDE0126, G98, RED, CE					
Warranty	10 years					

