PAWA SOLAR INVERTERS
(ECO SERIES)

2 Output | Wi-Fi | Battery Independent | BMS

made by VOLTRONICS TAIWAN



FEATURES:

- Wide PV input range, starts from 30VDC
- Built-in communication port for BMS
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Dual AC outputs
- Maximum charging current 120A
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

MODEL	Eco 5000	Eco 6500
Rated Power	4200VA/4200W	6200VA/6200W
INPUT		
Voltage	230 VAC	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	230VAC ± 5%
Output Power	4200W with PV & battery 4000W with battery only	6200W with PV & battery 5000W with battery only
AC Output No	Dual Outputs	Dual Outputs
Surge Power	8400VA	12400VA
Efficiency (Peak)	93%	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave	Pure sine wave
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	32 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	5000W	6500W
Maximum PV Input Current	18 A	18 A
MPP Range @ Operating Voltage	300~450 VDC (Min. 60VDC without battery connected)	90~450 VDC (Min. 100VDC without battery connected)
Maximum Solar Charge Current	120A	100A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	100A
PHYSICAL		
Dimension, D x W x H (mm)	115 x 300 x 435	115 x 300 x 435
Net Weight (kgs)	9	10.4
Communication Interface	RS232/RS485(BMS)/WiFi	RS232/RS485(BMS)/WiFi
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C	-10°C to 50°C
Storage Temperature	-15°C to 60°C	-15°C to 60°C

" Product Specifications are subject to change without Further Notice "

1 Year parts and 4 years service warranty

PAWA SOLAR INVERTERS (PRO SERIES)

2 Output | Wi-Fi | Battery Independent | BMS

made by VOLTRONICS TAIWAN



FEATURES:

- Dual output for smart load management
- Maximum PV input current 27A
- Customizable status LED ring with RGB lights
- Touchable button with large 4.3" colored LCD
- Built-in Wifi for mobile monitoring and OTA Firmware upgrade
- Supports USB On-the-Go function
- Built-in BMS communication port
- Built-in meter calibration for optimized system operation
- Battery independent design
- Built-in anti-dust kit

MODEL	Pro 5600	Pro 8000
Rated Power	4000VA/4000W	6000VA/6000W
INPUT		
Voltage	230 VAC	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 10%	230VAC ± 10%
Surge Power	8000VA	12000VA
Efficiency (Peak)	93%	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave	Pure sine wave
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	5600 VDC	6000 VDC
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current	27A	27A
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	119 x 313.6 x 457.5	119 x 313.6 x 457.5
Net Weight (kgs)	10	12
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	USB/RS232/RS485/WiFi/Dry-contact
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C	-10°C to 50°C
Storage Temperature	-15°C to 60°C	-15°C to 60°C

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1 Year parts and 4 years service warranty

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2 Output | Wi-Fi | Battery Independent | BMS

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FEATURES:

- ☑ Dual output for smart load management
- ☑ Maximum PV input current 27A
- ☑ Wide PV input voltage range 90VDC ~ 450VDC
- ☑ Status indication with RGB lights
- ☑ Built-in Wifi for mobile monitoring (Android/iOS App is available)
- ☑ Supports USB On-the-Go function
- ☑ Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- ☑ Replaceable fan design for ease of maintenance
- ☑ Battery independent design
- ☑ Configurable AC/PV output usage timer and prioritization
- ☑ Compatible to Utility Mains or generator input
- ☑ Built-in anti-dust kit
- ☑ Built-in DC output for DC fan, LED bulb, router and so on
- ☑ Parallel operation with 6 units

1 Year parts and 4 years service warranty

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MODEL	Pro 11000	Pro 13000
Rated Power	4000VA/4000W	11000VA/11000W
Parallel Capability	YES, 6 units	YES, 6 units
INPUT		
Voltage	230 VAC	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)	50 Hz/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	230VAC ± 5%
Surge Power	16000VA	22000VA
Efficiency (Peak)	93%	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave	Pure sine wave
DC Voltage	12 VDC ± 5%, 100W	12 VDC ± 5%, 100W
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	8000W (4000W x 2)	11000W (5500W x 2)
MPP Range @ Operating Voltage	90 ~ 450 VDC	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current	27A x 2 (MAX 40A)	27A x 2 (MAX 40A)
Maximum Solar Charge Current	150A	150A
Maximum AC Charge Current	120A	120A
Maximum Charge Current	150A	150A
PHYSICAL		
Dimension, D x W x H (mm)	158.4 x 503.6 x 530.8	158.4 x 503.6 x 530.8
Net Weight (kgs)	20	20
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	USB/RS232/RS485/WiFi/Dry-contact
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C	-10°C to 50°C
Storage Temperature	-15°C to 60°C	-15°C to 60°C
STANDARD		
Compliance Safety	CE	CE