

PORTABLE SOLAR POWER STATION

ECO181 Series

1~1.5KW | 24V,48V | 110V,230V

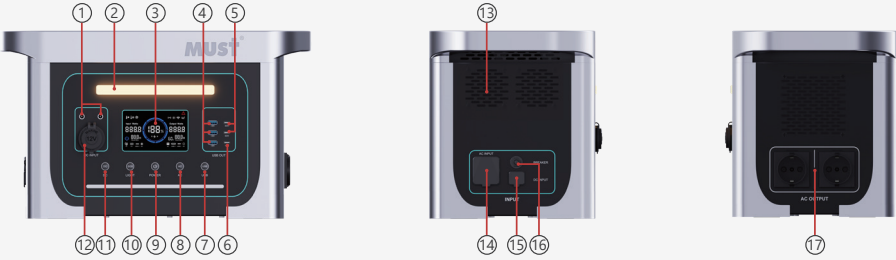
MUST portable power stations are battery-powered generators that keep your gear charged up and ready wherever you are. From family camping to home backup, get yourself convenient power without the noise, fumes, and fuss of a traditional gas generator.



- Portable and easy carry
- Huge AC output
- Seamless 24/7 UPS, Plug and play home backup power
- Multiple Charging Ways Available: AC Charging, Solar Charging, Car Charging



Back panel description



1. DC output port

2. LED light

3. LCD display screen

4. USB-A output ports

5. USB-C output ports (60W)

6. USB-C output ports (18W)

7. USB output switch

8. AC main switch

9. Main power switch

10. LED switch

11. DC output switch

12. Car charger DC output port

13. Air inlet & outlet

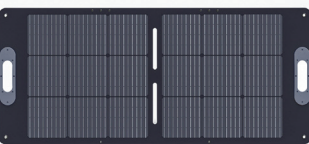
14. AC input port

15. Solar input port

16. Overload protection switch

17. AC output ports

Application





Camping



Home backup



RV Trips

MODEL	EM1024S	EM1548S
Nominal Battery System Voltage	24VDC	48VDC
INVERTER OUTPUT		
Rated power	1000W	1500W
Output voltage waveform	Pure Sine Wave	
Output voltage regulation	110V±5%; 230V±5%	
Output frequency	50Hz / 60Hz (±0.2Hz)	
Peak efficiency	2000W (max)	3000W (max)
Standby Consumption	110V< 12W; 220V< 25W	
PV INPUT		
Max solar power input	600W	1000W
PV max charging current	25A	20A
Max efficiency	95.0% (max)	
PV array open circuit voltage	60V (max)	80V (max)
PV Array MPPT Voltage Range	12~60V	12~80V
AC INPUT		
AC input voltage	110VAC ±5%; 230VAC ±5%	
Acceptable input voltage range	90-130VAC; 180-260VAC	
Nominal input frequency	50Hz / 60Hz (Auto detection)	
Transfer time	≤15ms	
AC CHARGE		
Charging current @ Nominal input voltage	600W@110V; 600W@220V	1000W@110V; 1000W@220V
Charging Algorithm	Equalize charge - Trickle charge	
OUTPUT		
AC output	110Vac (Socket *3pcs); 230Vac (Socket *2pcs)	
Car charger output (cigarette lighter)	120W	
DC output (DC5521)	60W*2	
USB-C(Type-C)	PD18W*1+PD60W*2	
USB-A(USB)	QC18W*3	
LED (white light)	2W	
LITHIUM BATTERY		
Energy	1280Wh	1433Wh
Nominal voltage	25.6V	51.2V
Battery capacity	50Ah	28Ah
Protection board	100A	80A
Standard charging & discharge current	Charging@25A; discharge@50A	Charging@20A; discharge@40A
Operation temperature	-10°C to 45°C	-10°C to 45°C
Storage temperature	-10°C to 55°C	-10°C to 55°C
MECHANICAL SPECIFICATIONS		
Machine Dimension (W*H*D)(mm)	440*233.2*263.3	
Package Dimension (W*H*D)(mm)	504*314.5*345	
N.W(kg)	17.9	19.5
G.W(kg)	/	/
Standard Warranty	Inverter: 2 years ; Lithium battery: 5 years	
CERTIFICATION & STANDARDS		

*The technical specifications of this document are subject to change without any notice