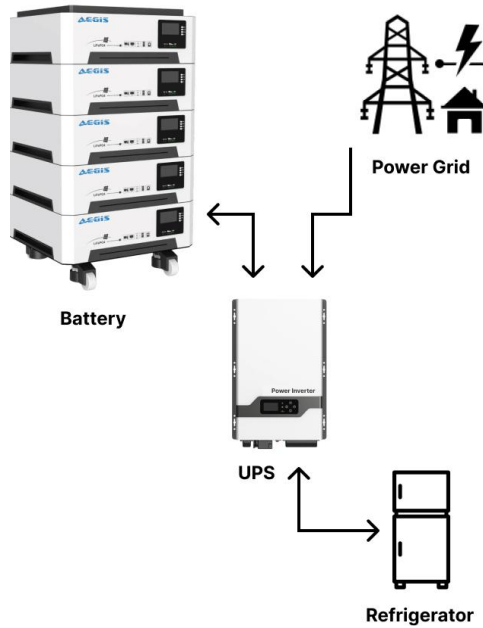


EL-PW48-x100AH

Description



UPS

Nominal Voltage 48VDC

INVERTER OUTPUT

Rated Power 3KW

Surge Rating 9000VA

Capable Of Starting Electric Motor 2HP

Waveform Pure sine wave/ same as input (bypass mode)

Nominal Output Voltage RMS 110V/115V/120VAC ±10% (RMS)

Output Frequency 50Hz / 60Hz±0.3 Hz

Inverter Efficiency(Peak) >88%

Line Mode Efficiency >95%

Power Factor 1.0

Typical Transfer Time 10ms(max)

AC INPUT

Voltage 120VAC

Selectable Voltage Range 80~135VAC(For Personal Computers)

Frequency Range 50Hz/60Hz (Auto sensing) 40~80Hz

BATTERY

Minimum Start Voltage (10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)

Low Battery Alarm (10V / 10.5V / 11V / 11.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)

Low Battery Cut off	10V / 10.5V / 11V / 11.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)
High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)
High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)
Idle Consumption-Search Mode	Load ≤50±20W(120V)

CHARGER

Output Voltage	Depends on battery type
Charger AC Input Breaker Rating	3K/40A
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)
Maximum Charge Current	20A

BYPASS & PROTECTION

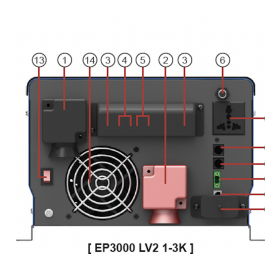
Input Voltage Waveform	Sine wave (grid or generator)
Nominal Input Frequency	50Hz or 60Hz
Overload Protection (SMPS Load)	Circuit breaker
Output Short Circuit Protection	Circuit breaker
AC Input Breaker	40A

MECHANICAL SPECIFICATIONS

Mounting	Wall Mount
Dimensions (W*H*D)	302.8*460*199.8mm / 11.92*18.11*7.87in
Net Weight (Solar CHG) (kg)	24.8
Shipping Dimensions(W*H*D)	400*319*615mm / 15.75*12.56*24.21in
Shipping Weight (Solar CHG) (kg)	27.5

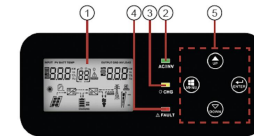
OTHER

Operation Temperature Range	0°C to 40°C
Storage Temperature	-15°C to 60°C
Audible Noise	60dB MAX
Display	LED+LCD
Standard Warranty	1 year



[EP3000 LV2 1-3K]

1. BAT -
2. BAT +
3. GND
4. AC input
5. AC output
6. Charger input protec
7. AC Output 10A(MAX)
8. BTS
9. Remote port
10. AGS
11. USB
12. WiFi
13. Power on/off switch
14. FAN
15. AC input breaker



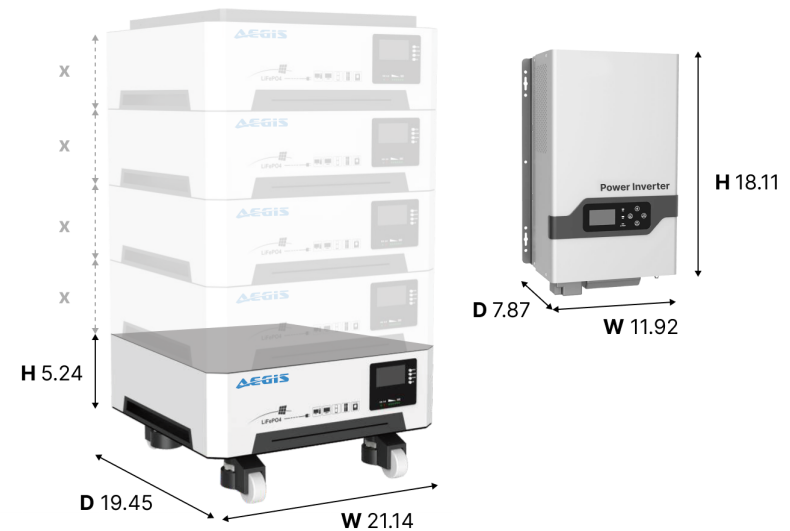
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



Battery

SPECIFICATIONS

Nominal Voltage	51.2 V
Nominal Capacity	100 Ah (1C / +25 °C)
Energy	5120Wh
Communication	CAN2.0/RS232/RS485
Resistance	≤50 mΩ @ 50% SOC
Efficiency	≤96%
Recommended Charge Current	100A
Maximum Continuous Discharge Current	100 A
Maximum load power	5KW
Recommended Charge Voltage	57.6V
BMS Charge Cut-Off Voltage	<58.4 V (3.65V/Cell)
Reconnect Voltage	>57.6 V (3.6V/Cell)
Balancing Voltage	<57.6 V (3.6V/Cell)
Balancing open voltage	55.2V (3.45V/Cell)
Recommended Low Voltage Disconnect	44 V (2.75V/Cell)



BMS Discharge Cut-Off Voltage	>40.0V (2s) (2.5V/Cell)
Reconnect Voltage	>44.0 V (2.75V/Cell)
Discharge Temperature	-4 ~ 131 °F (-20 ~ 55 °C)
Charge Temperature	-4 ~ 113 °F (0 ~ 45 °C)
Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
BMS High Temperature Cut-Off	149 °F (65 °C)
Reconnect Temperature	131 °F (55 °C)
Dimension (W*H*D)	537×133×498mm / 21.14×5.24×19.45in
Approx. Weight	45 kg
Terminal Type	DIN POST
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	SPPC
Enclosure Protection	IP20
Certifications	CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells)
Shipping Classification	UN 3480, CLASS 9