

## HOME ENERGY STORAGE EQUIPMENT SELECTION GUIDE

» *Always for your safety*



*Always for your safety*



**RoHS**

# COMPANY INTRODUCTION

Zhejiang ETEK Electrical Technology Co., Ltd. (Abbreviation: ETEK Electric) is a professional manufacturing company dedicated to the research, development, production, and sales of low-voltage electrical appliances. The company was established in 2011 and is located in Wenzhou City, Zhejiang Province. At present, the company has 40K sqm of modern manufacturing bases in Wenzhou and Wuhu with over 500 employees, including over 50 R&D and technical personnel. ETEK Electric has multiple production workshops for mold design, parts manufacturing, welding, and assembly. Additionally, they have multiple automated production lines for MCB and RCCB. Our products include MCB, RCCB, RCBO, AFDD, MCCB, ACB, EV Chargers, Photovoltaic DC products, etc., which can meet the needs of different countries and are widely used in fields such as residential, commercial, and industrial.

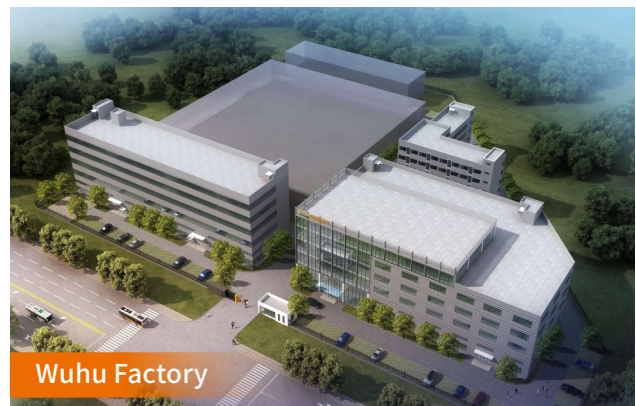
ETEK Electric has passed ISO9001 quality management system and environmental management system certification. The company have built our own low-voltage electrical testing center, and most of the testing items can meet the requirements of international IEC standards, in addition, our products have obtained international CB, TUV, VDE, CE, RoHS and other quality certificates.

ETEK Electric constantly masters and breaks through the core technology of circuit breakers, with more than 100 national patents. Focusing on independent brand construction is crucial for the company's development. The "ETEK" trademark is registered in over 80 countries. Products are exported to over 60 countries and regions including the European Union, South America, the Middle East, Africa, and Southeast Asia.

We also support OEM, ODM, OBM, SKD, CKD and other business cooperation models, and provide customers with a full range of services covering market cultivation, technical training, and factory construction.

ETEK Electric has been adhering to the business policy of "Growth", "Quality", "Efficiency", and "Innovation". In 2023, ETEK Electric has formulated the fifth 3-year strategic plan, which specifies the three major initiatives of expanding the production scale, enhancing the new energy market share, and expanding the independent brand, to realize the annual revenue target of \$50 million by 2026.

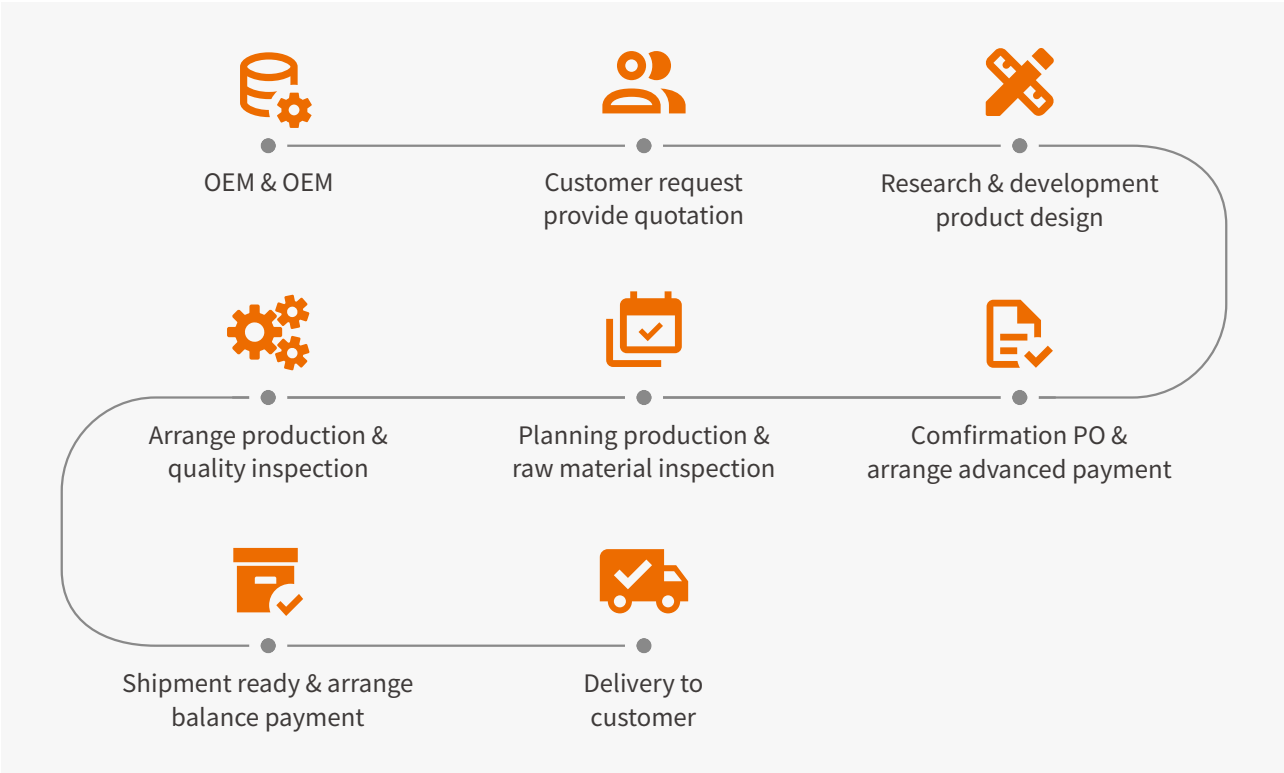
Looking forward to the future, ETEK Electric will be committed to becoming a globally renowned manufacturer in the power distribution and electrical industry, safeguarding the power safety of global customers, and helping the development of green and digital energy.



# WORKSHOPS



# OEM & ODM BUSINESS





### Products Specification

Model	EPW-100AH 48V	EPW-200AH 48V	EPW-100AH 51.2V	EPW-200AH 51.2V
Capacity	4.8KWH	9.6KWH	5.12KWH	10.24KWH
Normal Discharging Current	50A	50A	50A	50A
Max Discharging Current	100A	100A	100A	100A
Max Charging Current	50A	100A	50A	100A
Standard Voltage	48VDC		51.2VDC	
Voltage	40.5-54VDC		43.2-57.6VDC	
Max Charging Voltage	54V		57.6V	
Suggested DOD Model	90%			
Humidity	20-60%			
Installation	Wall mounted installation			
Cycle	3000~6000 times			
IP Rating	IP20			
Max Number Of Parrallel	16			
Warranty	5 Years			
Communication	CAN/RS485/RS232 (Optional WiFi)			
Size (mm)	558×400×228mm	591×485×184mm	590×410×210mm	535×670×210mm
Weight	51.5Kg	84Kg	53.5Kg	87Kg



### Products Specification

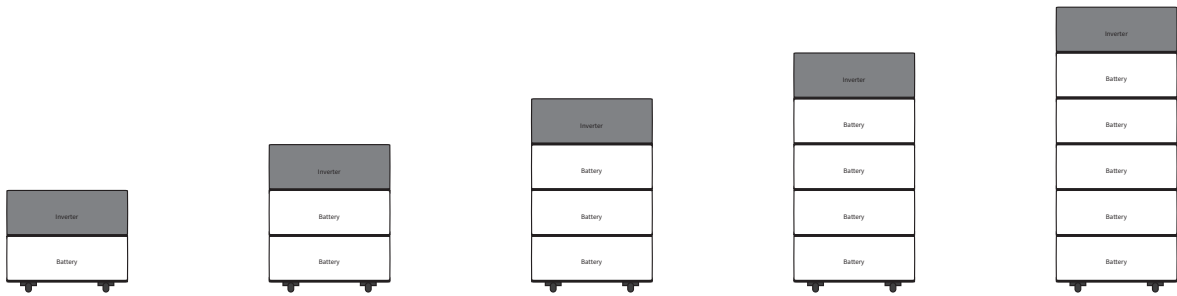
Model	EPWL-100AH 48V	EPWL-200AH 48V	EPWL-100AH 51.2V	EPWL-200AH 51.2V
Capacity	4.8KWH	9.6KWH	5.12KWH	10.24KWH
Normal Discharging Current	50A	50A	50A	50A
Max Discharging Current	100A	100A	100A	100A
Max Charging Current	50A	100A	50A	100A
Standard Voltage	48VDC		51.2VDC	
Voltage	40.5-54VDC		43.2-57.6VDC	
Max Charging Voltage	54V		57.6V	
Suggested DOD Model	90%			
Humidity	20-60%			
Installation	Wall mounted installation			
Cycle	3000~6000 times			
IP Rating	IP20			
Max Number Of Parrallel	16			
Warranty	5 Years			
Communication	CAN/RS485/RS232 (Optional WiFi)			
Size (mm)	558×400×228mm	591×485×184mm	590×410×210mm	535×670×210mm
Weight	51.5Kg	84Kg	53.5Kg	87Kg

## 5.12KWh Stacked Lithium Energy Storage Battery



## Battery Products Specification

Model	EBM-5.12KWH	EBM-10.24KWH	EBM-15.36KWH	EBM-20.48KWH	EBM-25.6KWH
Single module capacity	5.12KWH				
Module number	1 PCS	2 PCS	3 PCS	4 PCS	5 PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Standard voltage	51.2V				
Working voltage	43.2V-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charge current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232 (Optional WiFi/bluetooth/4G optional)				
Product size/unit (mm)	620×550×480	620×550×760	620×550×1040	620×550×1320	620×550×1600
N.W./unit	50kg	80kg	120kg	150kg	190kg



### Inverter Products Specification

Rated Power	5000W
Input	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (For personal computers); 90-280VAC (For home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
Output	
AC Voltage Regulation (Battery.Mode)	230VAC±5%
Surge Power	11000VA
Efficiency(Peak)	Up to 93.5%
Transfer Time	10ms (For personal computers); 20ms (For home appliances)
Waveform	Pure sine wave
Battery	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
Solar Charger & AC charger	
Maximum PV Array Open Circuit Voltage	500VDC
Maximum PV Array Power	5500W
MPPT Range @ Operating Voltage	120-450VDC
Maximum Solar Charger Current	80A
Maximum AC Charger Current	60A
Maximum Charger Current	80A
Environment	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C





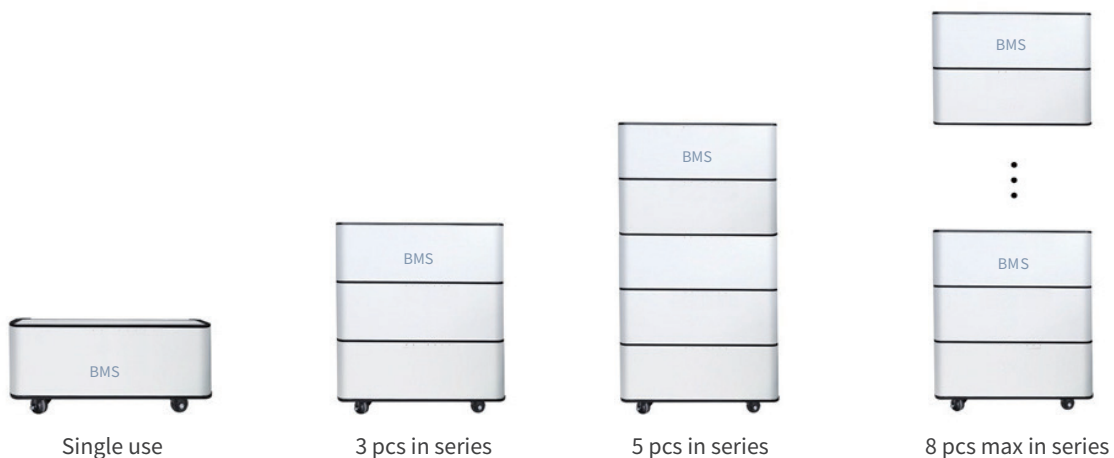
Overview

The stacked lithium energy storage battery use long working life LiFePO4 cell, high performance BMS to protect and manage the battery system. The max series is 8pcs, free combination for the capacity and meet all kinds of demand for home/industry.

- High power, friendly interface, free combination
- Max series is 8pcs with large capacity
- Free combination, Stacked design
- CAN/WiFi/4G/Buetooth Communication
- BMS customization supported

Battery Products Specification

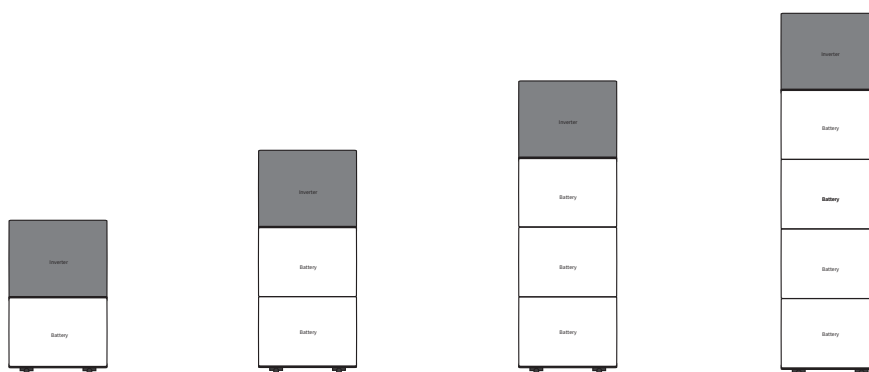
Model	EBM-5.12KWH	EBM-10.24KWH	EBM-15.36KWH	EBM-20.48KWH	EBM-25.6KWH	EBM-30.72KWH	EBM-35.84KWH
Single module capacity	5.12KWH						
Module number	1+1 PCS	1+2 PCS	1+3 PCS	1+4 PCS	1+5 PCS	1+6 PCS	1+7 PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH	30.72KWH	35.84KW
Standard voltage	102.4V	204.8V	307.2V	409.6V	512V	614.4V	716.8V
Working voltage	86.4-115.2V	172.8-230.4V	259.2-348.8V	345.6-464V	432-579.2V	518.4-694.4V	604.8-809.6V
Standard discharge current	50A/Module						
Standard charge current	25A/Module						
Suggested DOD	80%						
Humidity	10%-80%						
Installation	Stacked						
IP rating	IP20						
Communication	CAN/RS485/RS232						
Product size unit (mm)	500×550×500	500×550×700	500×550×900	500×550×1100	500×550×1300	500×550×1500	500×550×1700
N.W./unit	70kg	120kg	170kg	220kg	270kg	320kg	370kg





## Battery Products Specification

Model	ESS-5.12KWH	ESS-10.24KWH	ESS-15.36KWH	ESS-20.48KWH	ESS-25.6KWH
Single module capacity	5.12KWH				
Module number	1 PCS	2 PCS	3 PCS	4 PCS	5 PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Standard voltage	51.2V				
Working voltage	43.2V-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charge current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232 (Optional WiFi/bluetooth/4G optional)				
Product size/unit (mm)	620×550×480	620×550×760	620×550×1040	620×550×1320	620×550×1600
N.W./unit	50kg	80kg	120kg	150kg	190kg



### Battery Products Specification

Rated Power	5000W
Input	
Voltage	230VAC
Selectable Voltage Range	170-280VAC (For personal computers); 90-280VAC (For home appliances)
Frequency Range	50Hz/60Hz (Auto sensing)
Output	
AC Voltage Regulation(Battery.Mode)	230VAC $\pm$ 5%
Surge Power	11000VA
Efficiency(Peak)	Up to 93.5%
Transfer Time	10ms (For personal computers); 20ms (For home appliances)
Waveform	Pure sine wave
Battery	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
Solar Charger & AC charger	
Maximum PV Array Open Circuit Voltage	500VDC
Maximum PV Array Power	5500W
MPPT Range @ Operating Voltage	120-450VDC
Maximum Solar Charger Current	80A
Maximum AC Charger Current	60A
Maximum Charger Current	80A
Environment	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C



### Products Specification

Model	EBS-50AH 48V	EBS-100AH 48V	EBS-200AH 48V	EBS-50AH 51.2V	EBS-100AH 51.2V	EBS-200AH 51.2V
Capacity	2.4KWH	4.8KWH	9.6KWH	2.56KWH	5.12KWH	10.24KWH
Normal Discharging Current	25A	50A	50A	25A	50A	50A
Max Discharging Current	50A	100A	100A	50A	100A	100A
Voltage	40.5-54VDC					
Standard Voltage	48VDC					
Max Charging Current	25A	100A	200A	25A	50A	75A
Max Charging Voltage	54V					
Suggested DOD Model	90%					
Size (mm)	484×410×88.5	484×410×178	484×590×178	484×410×122	484×410×178	590×484×178
Weight	24.5kg	39.5kg	55kg	26.5kg	41.5kg	58kg
Humidity	20-60%					
Installation	Rack mounted or cabinet					
IP Rating	IP20					
Max Number Of Parrallel	16					
Warranty	5 Years					
Communication	CAN/RS485/RS232 (WiFi/bluetooth/4G optional)					
Monitor	WIFI					
Battery Protection	Over Current/Over Voltage/Short Circuit/Low Voltage/High Temperature					



The EBW lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

### Products Specification

Model	EBW-10012	EBW-20012	EBW-10024	EBW-20024	EBW-10048	EBW-20048
Capacity	12V100AH	12V200AH	24V100AH	24V200AH	48V100AH	48V200AH
Continuous Discharge Current	50A	100A	50A	100A	50A	100A
Peak Protection Current	100A	200A	100A	200A	100A	200A
Working Voltage	10-14.6V	10-14.6V	20-29.2V	10-14.6V	37.5-54.75V	37.5-54.75V
Standard Voltage	12.8V	12.8V	25.6V	12.8V	48V	48V
Continuous Work Current	50A	100A	50A	100A	50A	50A
Max Charging Voltage	14.6V	14.6V	29.2V	14.6V	54.75V	54.75V
Suggested DOD Model	80%	80%	80%	80%	80%	80%
Size (mm)	345×310×275	475×350×275	475×350×275	525×490×275	525×490×275	560×520×320
Weight	12.5kg	22kg	22kg	40kg	40kg	75kg
Humidity	≤ 85%					
Cooling Type	Natural Cooling					
Warranty	5 years					



The EBT lithium energy storage battery use long working life LiFePO4 battery, and high performance BMS to protect and manage the battery system, it has wider usage and longer life than traditional battery.

### Products Specification

Model	EBT-1212	EBT-3012	EBT-5012	EBT-10012	EBT-13012	EBT-20012	EBT-10024
Capacity	12V12AH	12V30AH	12V50AH	12V100AH	12V130AH	12V200AH	24V100AH
Continuous Discharge Current	8A	15A	25A	50A	65A	100A	50A
Peak Protection Current	16A	30A	50A	100A	130A	200A	100A
Working Voltage	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	10-14.6V	20-29.2V
Standard Voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	25.6V
Continuous Work Current	8A	15A	25A	50A	65A	100A	50A
Max Charging Voltage	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V	29.2V
Suggested DOD Model	80%	80%	80%	80%	80%	80%	80%
Size (mm)	151×99×94	195×133×171	229×138×208	256×165×210	330×172×215	345×190×245	345×190×245
Weight	1.5kg	3.2kg	4.5kg	10kg	13kg	22kg	22kg
Humidity	≤ 85%						
Cooling Type	Natural Cooling						
IP Rating	IP67						
Warranty	5 years						
Battery Protection	Over Current/Over Voltage/Short Circuit/Low Voltage/High Temperature						



## Products Specification

Model	EDPO-L -3k	EDPO-L -3.3k	EDPO-L -5k	EDPO-LP -5k	EDPO-H -3.3k	EDPO-H -3k	EDPO-H -5k	EDPO-HP -5.5k	EDPO-HP -8k	EDPO-HP -10k
Rated input voltage	220/230Vac									
Input voltage range	(170Vac~280Vac) ±2%/(90Vac-280Vac)±2%									
Frequency Range	47±0.3Hz ~ 55±0.3Hz (50Hz)/57±0.3Hz ~ 65±0.3Hz (60Hz)									
Switch time	10ms									
Rated output power	3kw	3.3kw	5kw	5kw	3.3kw	3kw	5kw	5.5kw	8kw	10kw
Rated output voltage	230Vac									
Output frequency range	50Hz ± 0.3Hz/60Hz ± 0.3Hz									
Output voltage waveform	Pure sine wave									
Maximum Efficiency	>92%									
Battery voltage	24vdc	48vdc	48vdc	48vdc	48vdc	48vdc	48vdc	48vdc	48vdc	48vdc
Battery type	Lead acid or lithium battery									
PV operating voltage range	30-100vdc	60-145vdc	60-145vdc	60-145vdc	120-500 vdc	120-500 vdc	120-500 vdc	120-500 vdc	120-500 vdc	120-500 vdc
Battery voltage range	20-33vdc	40-60Vdc	40-60Vdc	40-60Vdc	20-33vdc	40-60Vdc	40-60Vdc	40-60Vdc	40-60Vdc	40-60Vdc
Maximum output power	1400w	3400w	4200w	4200w	4200w	4200w	5000w	5500w	11000w	11000w
PV charging current range (can be set)	0-60A	0-60A	0-80A	0-80A	0-80A	0-80A	0-80A	0-80A	0-200A	0-200A
Charging short circuit										
Parallel	no	no	no	yes, max 6pcs	no	no	no	yes, max 6pcs	no	no
Protection	Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... settable on LCD screen									
Communication interface	USB/RS485(WiFi/GPRS is optional)/Dry node control									
Size (L×W×D)mm	378×280×103	378×280×103	498×410×201	498×410×201	378×280×103	426×322×126	426×322×126	426×322×126	717×507×210	717×507×210
Weight (kg)	8	12	12	12	8	12	12	12	26	26



### Products Specification

Model	EDPO-L-3k	EDPO-L-3.3k	EDPO-LP-3.5k	EDPO-H-5k	EDPO-H-8k	EDPO-H-10k
Rated input voltage	110/120Vac					
Input voltage range	(90Vac~140Vac) ±2%					
Frequency Range	47±0.3Hz ~ 55±0.3Hz (50Hz)/57±0.3Hz ~ 65±0.3Hz (60Hz)					
Switch time	10ms					
Rated output power	3kw	3.3kw	3.5kw	5kw	8kw	10kw
Rated output voltage	120Vac					
Output frequency range	50Hz ± 0.3Hz/60Hz ± 0.3Hz					
Output voltage waveform	Pure sine wave					
Maximum Efficiency	>92%					
Battery voltage	24vdc	48vdc	48vdc	48vdc	48vdc	48vdc
Battery type	Lead acid or lithium battery					
PV operating voltage range	30-100vdc	60-145vdc	60-145vdc	120-500vdc	120-500vdc	120-500vdc
Battery voltage range	20-33vdc	40-60Vdc	40-60Vdc	40-60Vdc	40-60Vdc	40-60Vdc
Maximum output power	1400w	4200w	4200w	4200w	11000w	11000w
PV charging current (can be set)	0-60A	0-80A	0-80A	0-80A	0-200A	0-200A
Parallel	no	no	no	yes, max 6pcs	no	no
Protection	Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery... settable on LCD screen					
Communication interface	USB/RS485(WiFi/GPRS is optional)/Dry node control					
Size (L×W×D)mm	378×280×103	378×280×103	378×280×103	426×322×126	498×410×201	498×410×201
Weight (kg)	6.2	7.5	12	12	12	12





**Product Characteristics**

- Pure sine wave solar inverter
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A(for 3.6KW/6.2KW)/140A(for 4.2KW)
- MPPT:Max 6200w(for 3.6kw/4.2kw),max 6500w (for 6.2kw) solar charge
- High PV input voltage range(90~450VDC)Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output(V2.0)

**Products Specification**

Model	EDPL-4KWPLUS	EDPL-6KWPLUS
Maximum PV Input Power	6200W	6500W
Rated Output Power	4000W	6000W
Maximum Solar Charging Current	140A	120A
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC	
Maximum DC Voltage	90~450VDC	
Number of MPPT Trackers/Maximum Input Current	1/27A	
Nominal Output Voltage	200/230/240VAC	
Output Voltage Range	195.5~253VAC	
Nominal Output Current	18.2A	27.0A
Power Factor	>0.99	
Feed-in Grid Frequency Range	49-51Z ± 1Hz	
Maximum Conversion Efficiency( Solar to AC)	98%	
Full Load	4200W	6200W
Maximum Main Load	4200W	6200W
Maximum Second Load(battery mode)	1400W	2067W
Main Load Cut Off Voltage	22VDC	44VDC
Main Load Return Voltage	24VDC	48VDC
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VAC or 170-280VAC	
Maximum AC Input Current	30A	40A
Nominal operating frequency	50/60Hz	
Surge power	8400W	12400W
Nominal Output Voltage	24VDC	48VDC
Output Waveform	Pure sine wave	
Efficiency(DC to AC)	94%	
Nominal DC Voltage	24VDC	48VDC
Maximum Charging Current (Solar to AC)	140A	120A
Maximum AC Charging Current	100A	
Dimension,D x W x H(mm)	420×310×110	
Net Weight(kgs)	11	
Communication Port	RS232/WIFI/GPRS	
Operating Temperature	-10~50°C	



### Product Characteristics

- Pure sine wave solar inverter
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger
- High PV input voltage range(90~450VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Touch button

### Products Specification

Model	EDPL-7KW	EDPL-8KW	EDPL-10KW
Maximum PV Input Power	7000W	8000W	10000W
Rated Output Power	7200W/7200VA	8200W/8200VA	10200W/10200VA
Maximum Solar Charging Current	160A	160A	160A
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
Maximum DC Voltage	90~450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
Nominal Output Voltage	200/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	31.3A	35.6A	44.3A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49-51Z±1Hz		
Maximum Conversion Efficiency (DC/AC)	98%		
Full Load	7200W	8200W	10200W
Maximum Main Load	7200W	8200W	10200W
Maximum Second Load (battery mode)	2400W	2733W	3400W
Main Load Cut Off Voltage	44VDC	44VDC	44VDC
Main Load Return Voltage	54VDC	54VDC	54VDC
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	40A	40A	50A
Nominal operating frequency	50/60Hz		
Surge power	14400W	16400W	20400W
Maximum DC Voltage	500VDC		
MPPT Voltage Range	90VDC~450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sine wave		
Efficiency(DC to AC)	94%		
Nominal DC Voltage	48VDC		
Maximum Solar Charging Current	160A		
Maximum AC Charging Current	140A		
Dimension, D x W x H(mm)	420×310×110		
Net Weight(kgs)	13.1	14.2	14.5
Communication Port	RS232/WIFI/Remove LCD/GPRS		
Operating Temperature	-10~50°C		



The portable lithium generator has storage lithium battery build-in, can output 220VAC, 12VDC, 5V USB, cigarette lighter and Type-C, it can run various kinds of equipments.

### Products Specification

Model	EIPS-300	EIPS-500
Battery type	Grade A LiFePO4 Battery	
Rated Power	300W	500W
Peak Power	600W	1000W
Rated Capacity	320Wh	518Wh
Battery Pack Parameter	25Ah, 12.8V	27Ah, 19.2V
Battery Type	Grade A LiFePO4 Battery (2000 Cycles)	
AC Output	110V or 220V±10%	
Output Waveform	Pure Sine Wave	
2×USB Output	QC18W (QC3.0/ QC2.0/AFC/FCP/BC1.2/APPLE)	
Type-C1 Output	PD30W (QC3.0/ QC2.0/AFC/BC1.2/APPLE )	PD24W (QC3.0/ QC2.0/AFC/BC1.2/APPLE )
Type-C2 Input and Output	PD60W (QC3.0/ QC2.0/AFC/BC1.2/APPLE )	PD100W (QC3.0/ QC2.0/AFC/BC1.2/APPLE )
Cigarette Lighter/ 2×DC 5521 Output	12VDC/10A	
Solar Panel/ DC5521 Charging	10.8V-23.5V, 3A (Max 60W)	10.8V-24V, 5A (100W Max)
Charging temperature	0-40° C	
Discharge temperature	-10-45°C	
Net Weight	3.9KG	6.5KG
Size (L×W×H)	240×185×138mm	254×200×182mm
Gross Weight	21KG (4PCS each carton)	8.5KG
Package (L×W×H)	560×448×240mm	313×255×290mm



### Products Specification

Model	EIPS-1500	EIPS-2400	EIPS-3000	EIPS-5000
Battery type	Grade A LiFePO4 Battery			
Rated Power	1500W	2400W	3000W	5000W
Peak Power	3000W	4800W	6000W	10000W
Rated Capacity	1280Wh	2560Wh	2560Wh	5120Wh
Battery Pack Parameter	25Ah, 51.2V	25Ah, 51.2V	25Ah, 51.2V	25Ah, 51.2V
Battery Type	Grade A LiFePO4 Battery (2000 Cycles)			
AC Output	100V/ 110V/ 120V/ 220V/ 230V $\pm$ 5% (Adjustable Voltage)			
Output Waveform	Pure Sine Wave			
USB-A1+USB-A2 Output	QC18W (QC3.0/ QC2.0/AFC/FCP/BC1.2/APPLE)			
USB-A3+USB-A4 Output	QC18W (QC3.0/ QC2.0/AFC/FCP/BC1.2/APPLE)			
2×Type-C Output	PD100W (QC3.0/ QC2.0/AFC/BC1.2/APPLE )			
Cigarette Lighter/ 2×DC 5521 Output	12VDC/10A			
Solar Panel/ DC Charging	10-60V=13A (400W Max)	0-60V=13A (400W Max)	10-60V=22A (800W Max)	120-450V/5000W
AC Charging	90-264V /1200W	90-264V (US/JP: 1600W Max; CN/EU: 2000W Max)	90-264V (US/JP: 1600W Max; CN/EU: 2000W Max)	US/JP: 90-140V/1600W; CN/EU: 170-264V/2500W
Charging temperature	0-40° C			
Discharge temperature	-10-45°C			
Net Weight	18KG	26KG	37.5KG	70KG
Size (L×W×H)	374×265×263mm	374×265×349mm	403×310×450mm	520×405×506mm
Gross Weight	20KG	29KG	41KG	92KG
Package (L×W×H)	472×368×365mm	374×265×349mm	540×450×660mm	710×550×720mm



### Overview

The EGPE inverter offers superior quality true sine wave power, it is designed to operate various of power tools and inductive loads, The AC output waveform is even better than the power supplied by your utility.

- Intelligent digital display
- Input & output fully isolated.
- Very stable AC output, low voltage drop
- Customized input voltage: 36V/60V/72V/96V/110VDC

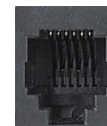
### Optional Parts



Remote Switch

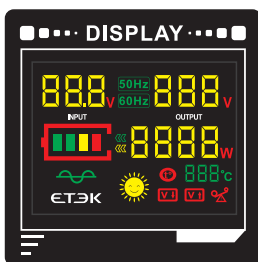


50/60Hz Frequency Switch



RS485 Communication

### E Model Display



888 INPUT Battery Voltage

888 OUTPUT AC Output Voltage

8888 W Load power

Battery Level

50Hz/60Hz Frequency

888.8 °C Internal temperature

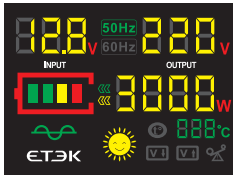
Overload Protection

Over Temperature Protection

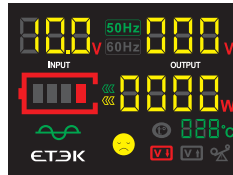
Low Voltage Protection

Over Voltage Protection

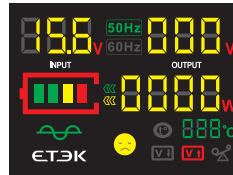
### Working Mode



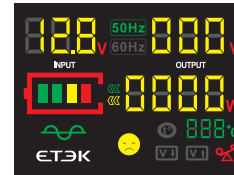
Normal operation



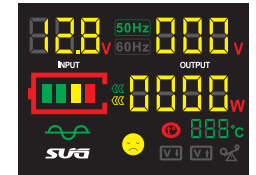
Low Voltage Protection



Over Voltage Protection



Overload Protection



Over Temperature Protection

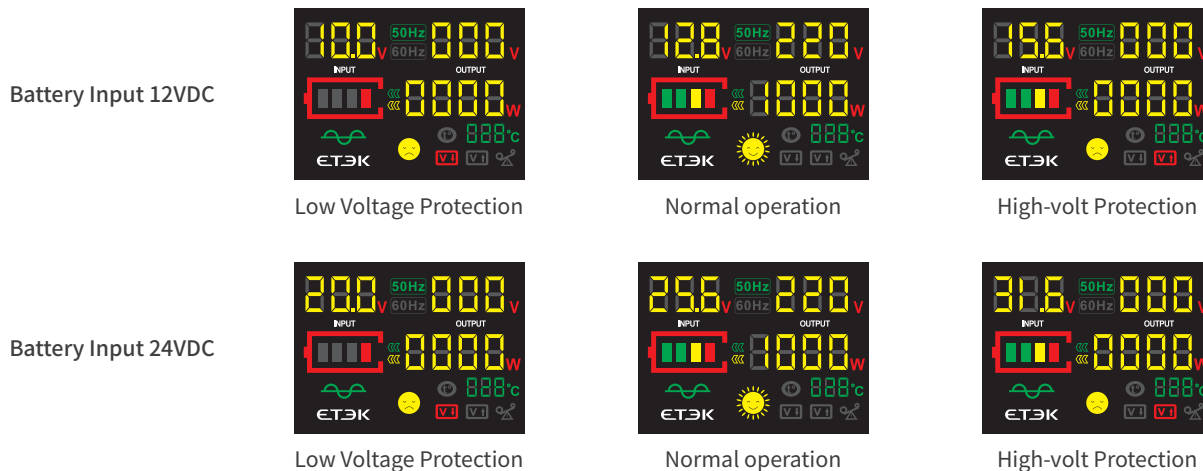
### Products Specification

Model	EGPE300	EGPE500	EGPE1000	EGPE1500	EGPE2000	EGPE3000	EGPE4000	EGPE5000	EGPE6000	EGPE8000
Rated Power	300W	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W
Surge Power	600W	1000W	2000W	3000W	4000W	6000W	8000W	10000W	12000W	16000W
Input Voltage	12/24/48VDC							24/48VDC		
Output Voltage	110/220VAC±5%									
USB Port	5V 2A									
Frequency	50Hz±3 or 60Hz±3									
Output Waveform	Pure Sine Wave									
Soft Start	YES									
AC Regulation	THD < 3%(Linear Load)									
Output Efficiency	94% MAX									
Cooling Way	Intelligent Cooling Fan									
Protection	Battery Low Voltage & Over Voltage, Over Load, Over Temperature, Short Circuit									
Working Temperature	-10°C - +50°C									
Dimension (L×W×H) (cm)	20×11.2×6	21.5×15×7.8	27.8×17×10.5	38.1×17×10.5	38.1×17×10.5	48×19.9×8.4	40×20×15	50×20×15	61×20×15	61×20×15
Meas./Ctn (L×W×H) (cm)	54.5×49×32.5 /18PCS	76×45×28 /10pcs	53.5×47×40.7 /6pcs	47.5×47×36.5 /4pcs	47.5×47×36.5 /4pcs	62.5×53×29.5 /4pcs	63.5×30.8×24 /1pcs	63.5×30.8×24 /1pcs	73.5×30.8×24 /1pcs	73.5×30.8×24 /1pcs
N.W./Unit	0.82kg	1.7kg	2.74kg	4kg	4kg	6.1kg	9kg	10.12kg	11.62kg	13.14kg
G.W./Ctn	20kg	22.5kg	20.5kg	21.6kg	21.6kg	30.44kg	10.84kg	11.72kg	13.44kg	14.96kg
Packing	Carton						Honeycomb carton			
Warranty	2 Years									



EGPI double voltage inverter can auto recognize 12V/24VDC input voltage and transfer to 220V/110VAC.

Working Mode



Products Specification

Model	EIPI-500		EIPI-1000	
Rated Power	500W		1000W	
Input Voltage	12VDC/24VDC Auto Recognize			
Output Voltage & Frequency	110VAC/220VAC 50/60Hz			
Output Waveform	Pure Sine Wave			
DC Voltage Range	10-15.5V	20-31V	10-15.5V	20-31V
Net Dimension (L×W×H)	24×15×7.8cm		31.8×17×10.5cm	
Meas./Ctn	76×45×28cm / 10pcs		31.8×17×10.5cm / 6pcs	



### Products Specification

Model	EGPC500	EGPC1000	EGPC1500	EGPC2000	EGPC3000	EGPC4000	EGPC5000
Rated Power	500W	1000W	1500W	2000W	3000W	4000W	5000W
Surge Power	1000W	2000W	3000W	4000W	6000W	8000W	10000W
Input Voltage	12/24/48VDC					24/48VDC	
Output Voltage	110/220VAC±5%						
USB Port	5V 2A						
Frequency	50Hz±3 or 60Hz±3						
Output Waveform	Pure Sine Wave						
Soft Start	YES						
Charging Current	10/20/30A optional						
Priority	Grid first						
Transfer time	< 10 ms						
Cooling Way	Intelligent Cooling Fan						
Protection	Battery Low Voltage & Over Voltage, Over Load, Over Temperature, Short Circuit						
Working Temperature	-10°C - +50°C						
Dimension (L×W×H) (cm)	36.5×16.5×9	40×16.5×9	43.5×16.5×11.3	43.5×16.5×11.3	45×21.2×15.2	49.7×21.6×15.1	61×21.6×15.1
Meas./Ctn (L×W×H) (cm)	49.5×48×31.5/4pcs	55×47.5×31.5/4pcs	57×47×38.5/4pcs	57×47×38.5/4pcs	63.5×30.8×24/4pcs	63.5×30.8×24/4pcs	73.5×30.8×24/4pcs
N.W./Unit (kg)	2.8kg	3.62kg	5.04kg	5.04kg	8.9kg	11.14kg	13.56kg
G.W./Ctn	13.76kg	14.06kg	25.92kg	25.92kg	10.12kg	13.4kg	16.08kg
Packing	Carton				Honeycomb carton		
Warranty	1 years						






### Products Specification


Model	EGM300	EGM400	EGM500	EGM850	EGM1000	EGM1200	EGM1500	EGM2000	EGM3000
Rated Power	300W	400W	500W	850W	1000W	1200W	1500W	2000W	3000W
Surge Power	600W	800W	1000W	1700W	2000W	2400W	3000W	4000W	6000W
Input Voltage	12/24/48VDC							24/48VDC	
Output Voltage	110/220VAC±5%								
USB Port	5V 1A								
Frequency	50Hz±3 or 60Hz±3								
Output Waveform	Modified sine wave								
Soft Start	YES								
AC Regulation	THD < 3% (Linear Load)								
Output Efficiency	88% MAX								
Cooling Way	Intelligent Cooling Fan								
Protection	Battery Low Voltage & Over Voltage, Over Load, Over Temperature, Short Circuit								
Working Temperature	-10°C - +50°C								
Dimension (L×W×H) (cm)	15.5×11.2×5.8	15.5×11.2×5.8	18×11.2×5.8	21.5×11.2×5.8	24.5×15×7.7	24.5×15×7.7	28.5×15×7.7	32×16.7×9.2	41×16.7×9.2
Meas./Ctn (L×W×H) (cm)	52×49.5×32/32pcs	52×49.5×32/32pcs	52×49.5×32/32pcs	54.5×33.5×31/20pcs	52×34×42/8pcs	52×34×42/8pcs	52×36.5×40/8pcs	53×47×41/6pcs	47×47×33.5/4pcs
N.W./Unit	0.66kg	0.66kg	0.75kg	1.2kg	2kg	2kg	2.2kg	3.1kg	4.2kg
G.W./Ctn	29.3kg	29.3kg	33kg	25.9kg	16.6kg	16.6kg	20.4kg	21.5kg	19.2kg
Packing	Carton								
Warranty	1 Years								



### Products Specification

Model		ESM-20	ESM-30	ESM-40	ESM-50	ESM-60	ESM-80	
12V/24V/36V/48V-Series		20A	30A	40A	80A	60A	80A	
Product Category	Controller type	Controller with maximum power point tracking (MPPT)						
	MPPT efficiency	≥ 99.5%						
	No-load static loss	0.5W~1.2W						
Input characteristics	Maximum PV input voltage VOC	DC150V						
	Solar panel rated input power	12V system	260W	390W	520W	650W	780W	960W
		24V system	520W	780W	1040W	1300W	1560W	1920W
		36V system	780W	1170W	1560W	1950W	2340W	2880W
		48V system	1040W	1560W	2080W	2600W	3120W	3840W
Charging characteristics	Applicable battery type	Sealed lead acid battery, open lead acid battery (can also customize parameters for other types of battery charging)						
	Charging current	20A	30A	40A	80A	60A	80A	
	Charging method	Three stages: constant current (fast charge), constant voltage, floating charge						
	Rated load current	40A			60A			
Other attributes	Protective function	Input and output over-voltage protection, anti-reverse protection, battery off protection, etc.						
	Net weight (kg)	1.25		2.8		4.2	4.2	
	Product size (mm)	186×148×64.5		172.8×249.7×111.1		342.8×190×117	342.8×190×117	

 The product data referred to in the company shall be subject to material object. Subject to change without notice.  
The company has the final right to interpret.

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