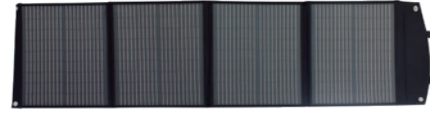


Four-fold Portable PV Module

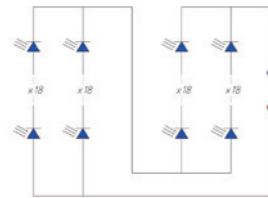


120W 19.8V

PV module dimension specification

Expanded dimension: 1905*470*25mm
 Folded dimension: 470*435*50mm
 Product weight: 4.7KG

Working mode of solar panel



Output electrical parameters of PV module

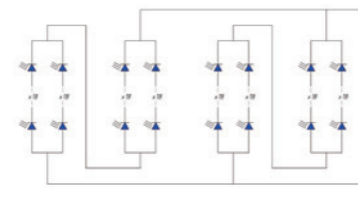
Output power (@STC): 120W±5%
 Open circuit voltage (@STC): 24V±5%
 Rated operating voltage (@STC): 19.8V±5%
 Rated operating current (@STC): 6A±5%
 Short circuit current (@STC): 6.3A±5%

Note: STC: Standard Tested Condition: AM=1.5, 25°C, 1000W/m²



200W 19.8V

Expanded dimension: 2460*540*25mm
 Folded dimension: 540*580*60mm
 Product weight: 8KG

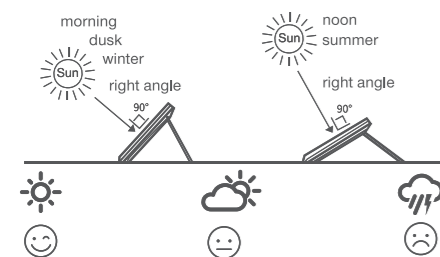


Output power (@STC): 200W±5%
 Open circuit voltage (@STC): 24V±5%
 Rated operating voltage (@STC): 19.8V±5%
 Rated operating current (@STC): 10.1A±5%
 Short circuit current (@STC): 10.6A±5%

Note: STC: Standard Tested Condition: AM=1.5, 25°C, 1000W/m²

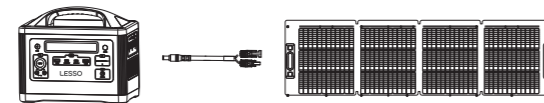
About using

1. Expand the solar panel to expose it to direct sunlight
2. Connect the electronics or MC4 cable to the solar panel
3. Do not place the solar panel in a cool place or near the fire source



Charging mode

1. Expand the panel twice
2. Connect the DC cable to the MC4 port on the solar panel
3. Connect the other side of the DC cable to the portable power station



LESSO

BUILDING A SOLAR-POWERED WORLD

LESSO

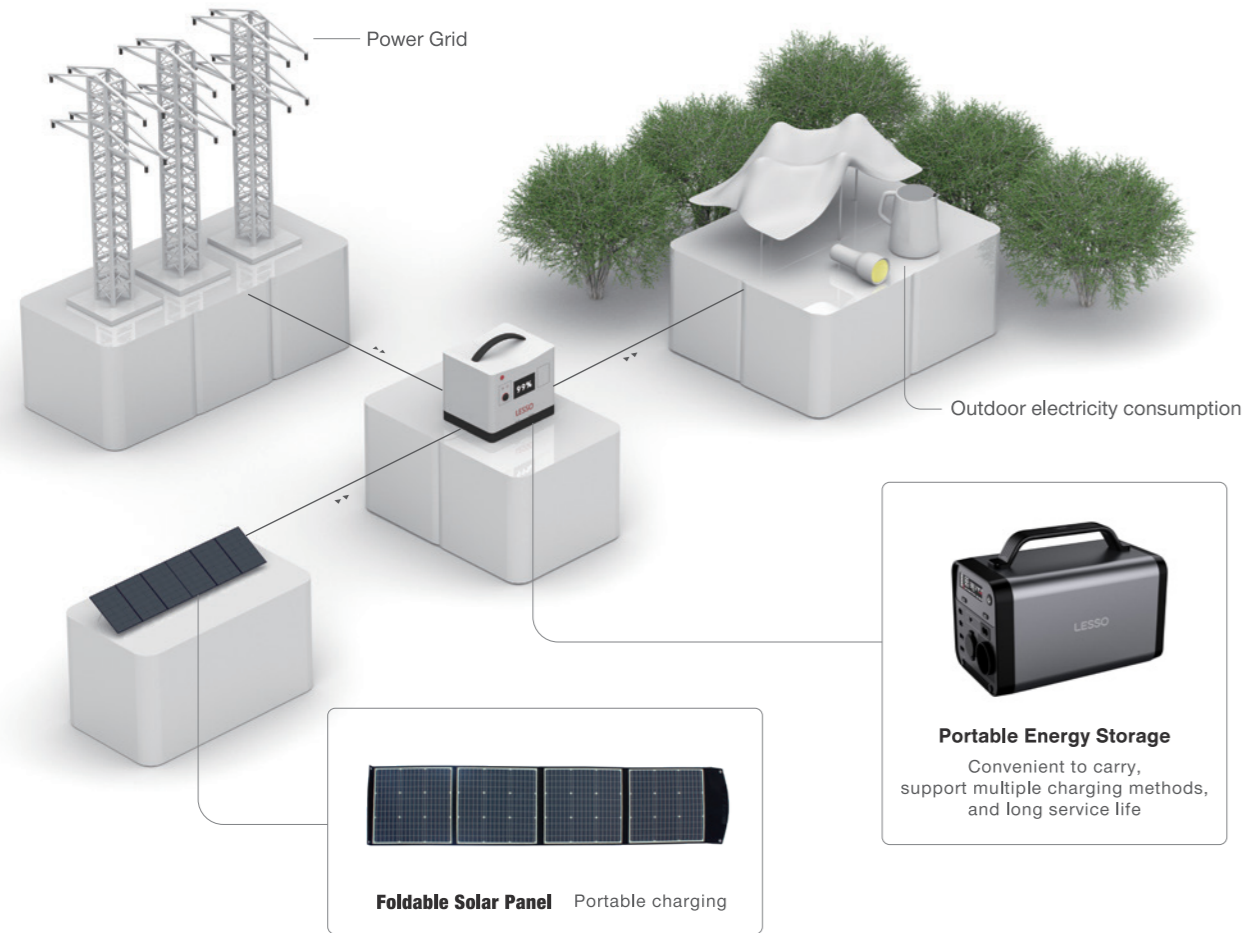
**Portable Energy Storage
 System Solution**

LESSO NEW ENERGY DEVELOPMENT PRIVATE LIMITED

One Raffles Quay, North Tower, #19-03, 48583 Singapore
 CHINA LESSO, STOCK CODE:2128.HK

Remarks: specifications are subject to change without notice

LESSO energy storage products are applicable with all kinds of on-board devices, digital devices, small household appliances, refrigerators, unmanned aerial vehicles, game consoles, cameras, etc; It is often used in short distance travel, camping, outdoor photography, live broadcast and other scenarios.



Portable Energy Storage System Solution

This setup is applicable to outdoor power use scenarios such as family excursions, outdoor exploration, outdoor operation, emergency rescue, emergency standby, etc. A simple power supply system can be built outdoors by using LESSO's portable energy storage all-in-one machine. It can be connected to solar panels, power grids or power generators. It consist of a built-in lithium iron phosphate battery, off-grid inverter and energy management system (EMS). The portable energy storage system can use solar pannels, power grid or diesel generator for charging. It has a multi-function power socket and is convenient to use. Maximum 5kW power and 5.12kWh battery capacity can support outdoor long-term power supply.

Advantages

Protatable, aesthetic design, user-friendly, easy to carry
Built-in lithium iron phosphate battery, multiple software protection settings, safe and reliable

The maximum power supply is 5.12 Kwh, and is fully adjustable
Power grid or photovoltaic charging are both applicable

Portable Energy Storage



		P5 Pro	P10	P20 Pro	
Model Number					
Output Power		600W	1200W	2200W	
Battery		LiCoO2 22.2V 499.5Wh	LFP 32140 1008Wh	LiCoO2 43.2V 2203.2Wh	
Input		fast charging: fully charged for 1.5 hours	wall outlet: 200W/20V	fast charging: fully charged for 1.5 hours	
		solar panel: MPPT 100W, 18V~24V, 5.6A	solar panel: MPPT 200W, 18~22V DC, 10AMax	solar panel: MPPT>99% 400W/800W, 18V/36V, 11.2A	
Output	USB-A	MAX 36W 5V3A 9V3A 12V3A support Apple 2.4A; QC2.0/3.0; FCP; AFC; DCP; SCP	QC3.0 5V/2.4A 9V/2A 12V/1.5A BC1.2 AFC FCP	24W 5V3A 9V2.5A 12V2A support Apple 2.4A; PPS/PD3.0/PD2.0; QC4+/QC4/ QC3.0/QC2.0; AFC; FCP; SCP; PE2.0/ PE1.1; SFCP fast charging protocol	
		MAX 36W 5V3A 9V3A 12V3A support Apple 2.4A; QC2.0/3.0, FCP; AFC; DCP; SCP	5V/2.4A	/	
	TYPE-C1	MAX 60W 5V3A 9V3A 12V3A 15V3A 20V3A support Apple 2.4A, PPS/PD3.0/ PD2.0; QC4+/QC4/QC3.0/QC2.0; AFC; FCP; low voltage SCP/high voltage SCP; PE2.0/PE1.1; SFCP fast charging protocol	PD65W 5V/5A 9V/5A 12V/5A 15V/5A 20V/5A	100W 5V3A 9V3A 12V3A 15V3A 20V5A support Apple 2.4A; PPS/PD3.0/PD2.0; QC4+/QC4/QC3.0/QC2.0; AFC; FCP; SCP; PE2.0/PE1.1; SFCP fast charging protocol	
		MAX 60W 5V3A 9V3A 12V3A 15V3A 20V3A support Apple 2.4A; PPS/PD3.0/PD2.0;QC4+/QC4/ QC3.0/QC2.0; AFC; FCP; low voltage SCP/high voltage SCP; PE2.0/PE1.1; SFCP fast charging protocol	5V/2.4A	100W 5V3A 9V3A 12V3A 15V3A 20V5A support Apple 2.4A; PPS/PD3.0/PD2.0; QC4+/QC4/QC3.0/QC2.0; AFC; FCP; SCP; PE2.0/PE1.1; SFCP fast charging protocol	
	DC Output	Car Port	12V 10A 120W Max	121V 13.5V DC 9A Max	13.2V 10A 132W Max
		DC5525	/	/	13.2V 5A 132W Max
AC Output	Sine Wave	220V±20V, 50HZ~60HZ±1Hz 600W max continuous	220V±10V, 50Hz±3Hz 1200W max continuous 2000W surge peak	220V-240V, 45Hz~65Hz 2200W max continuous	
Wireless Charging	/	/	5V/1A; 12V/1.25A support Qi protocol		
LED Light	1W LED light: on / off / SOS	/	3.2W LED light: on / off / SOS / flash		
Cycle Life	>1000 times	>2000 times	>1000 times		
Accessories	AC charging line / user manuel	AC power adapter / car charger / user manuel	AC charging line / car charging line		
Dimensions(mm)	251*145*152	290*230*220	422*288*306		
Weight(kg)	5.1	10.5	15		
Charging Temperature	0~45°C	0~40°C	0~45°C		
Working Temperature	-20~60°C	-10~40°C	-10~45°C		
Protections	A. over voltage protection B. low voltage protection C. discharge over current protection D. short circuit protection E. charge over current protection F. temperature protection				

Remarks: specifications are subject to change without notice

Wheeled Energy Storage



		W30	W50
Model Number			
Battery		high quality lithium ion batteries (50.4V56.1Ah/2827.4Wh)	high quality lithium ion batteries (50.4V107.1Ah/5397.84Wh)
Input	25MF four-core aviation power socket	wall outlet: DC 58.8V/9A , 529W	wall outlet: DC 58.8V/13A , 764W
	16MF four-core aviation power socket	solar panel: MPPT , 360W , 36V DC , 10A Max	solar panel: MPPT , 360W , 36V DC , 10A Max
USB Output	USB-A	5~6.5V/3A 6.5~9V/2A 9~12V/1.5A 18W (QC3.0)	5~6.5V/3A 6.5~9V/2A 9~12V/1.5A 18W (QC3.0)
	USB-C	5V/3A 9V/3A 12V/3A 15V/3A 20V/3A 60W (PD3.0)	5V/3A 9V/3A 12V/3A 15V/3A 20V/3A 60W (PD3.0)
DC Output	25MF-4B aviation socket	DC 40V~58.8V/10A Max	DC 40V~58.8V/10A Max
	16MF-3B three-core aviation socket	DC 24V±5%/10A Max	DC 24V±5%/10A Max
AC Output	Car Port	DC 11V~13V/10A Max	DC 11V~13V/10A Max
	Sine Wave	220V±10% , 50Hz±3Hz 3000W Max continuous 3200W surge peak	220V±10% , 50Hz±3Hz 3000W Max continuous 3200W surge peak
Communication Protocol		RJ485 communication port	RJ485 communication port
LED Light (optional)		60W LED light: half-light / fullHigh / SOS	60W LED light: half-light / full-light / SOS
Recharging Temperature		0~45°C	0~45°C
Operating Temperature		-20~45°C	-20~45°C
Cycle Life		>1000 times Cycle70%	>1000 times Cycle70%
Battery Protections		A.over voltage protection B.low voltage protection C.discharge over current protection D.short circuit protection E.charge over current protection F.temperature protection	
Accessories		AC power adapter / car charger / user manuel	
Product Dimensions (mm)		580*460*250	580*460*250
Packing Size (mm)		710*610*385	710*610*385
Product Weight (kg)		31.25	44.25
Packing List		1 x power adapter and power cable 1 x 24V output aviation plug 16MF-3A 1 x 48V output aviation plug 25MF-4A 1 x MC4 to GX16 solar wire 1 x product instruction	

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