

Overview

EZPower DC portable system is a functional off-grid power supply for home and business use, which includes LED light, USB port, cigarette lighter, FM radio in rich interface connection to fit the customer demands. It's also an efficient energy solution nowadays.



Features

- Select the configuration according to your requirements.
- Support different PV panel power 20W-150W and the max. PV open circuit is less than 30V
- Smart dimension, but long life span. It supports LiFePO4(10~20Ah available) and Li(NiCoMn)O2(10~38Ah available) battery type
- All models are DC output, especially used for LED light, fans, phone charging, and some other small DC appliance.
- USB 5V 2.1A output, charging mobile phones and other small USB-powered devices
- LED indicators display the system running status
- Low power consumption and industrial design to reduce loss.
- Multiple protection features to ensure system security and reliability.
- Utility charging function, more convenient for power storage.
- Packed with a solar FM radio with MP3 playback to stay up-to-date on important news or listen to music
- Embedded LED light 1W for emergency use
- Cigarette lighter for bigger current output usage
- Lightweight 3-8kgs, users can put anywhere they want

Technical Specifications

Electrical Parameters				
Model	LD150S-N1	LD150S-N1R	LD150S-N2	LD150S-N2R
System rated voltage	12VDC			
Max. PV open circuit voltage	< 30V			
PV array power	≤150Wp			
Lithium battery type	Li(NiCoMn)O ₂			
Lithium battery capacity	16/38AH		10/16AH	
Charge way	PWM			
Max. charge current	10A			
DC output	8-way DC12V3A 1-way cigarette lighter DC12V10A Total output power 120W		8-way 12VDC/3A (Total output power 120W)	
USB output port	DC5V/2.1A		2-way 5VDC/2.1A	
Self-consumption	16mA			
Radio	—	Silver	—	Silver
Weight	About 2.3kg(Inside the 16AH lithium battery) About 5.8kg(Inside the 38AH lithium battery)		About 2.0kg(Inside the 10AH lithium battery) About 2.2kg(Inside the 16AH lithium battery)	
Model	LD150S-N3	LD150S-N3S	LD150S-N4	LD150S-N4R
System rated voltage	12VDC			
Max. PV open circuit voltage	< 30V			
PV array power	≤150Wp		≤60Wp	
Lithium battery type	LiFePO ₄			
Lithium battery capacity	18AH		12AH	
Charge way	PWM		MPPT	
Max. charge current	10A		5A	
DC output	4-way 12VDC/3A (total output power 120W)		4-way 12VDC/3A (total output current is 3A)	
USB output port	2-way 5VDC/2.1A			
Emergency lamp	LED lamp DC12V/1W		—	—
Self-consumption	24.8mA		10mA	
Utility output voltage range	—	176VAC~264VAC	—	—
Utility charge current	—	3A±0.3A	—	—
Weight	About 3.4kg	About 3.5kg	About 2.1kg	About 2.2kg
Radio	—	—	—	Silver
Environmental Parameters				
Working environment temperature	-10°C ~ +35°C			
Storage temperature range	0°C ~ +35°C			
Relative humidity	≤95%(N.C.)			
Enclosure	IP30			
Mechanical Parameters				
Inside lithium battery dimension	222×120×70mm (H x W x L)			
Device dimension	360.3×141.4×167mm (H x W x L)			