

Overview

The HDS series portable DC power supply is tailored for off-grid power scenarios. It integrates advanced digital charge-discharge circuit design and supports various lithium batteries. Solar panels and AC-DC adapters are available as charging options.

With user-friendly operation, stable performance, and robust reliability, this series is well-suited for off-grid scenarios and serves as an excellent emergency power supply for households. It powers mobile phones, laptops, emergency lighting, small appliances, etc., providing reliable energy support for daily life and entertainment needs.

Features

- IP53 Protection
- Supports multiple PV modules
- Compatible with $\text{Li}(\text{NiCoMn})\text{O}_2$ and LiFePO_4 batteries
- Multiple low-voltage DC output ports
- Each DC output with independent short-circuit and overload protection
- Dual USB Ports
 - ▶ One port: Fast charging (up to 30W)
 - ▶ Other port: 5V/2.1A
- Low power consumption design with energy-saving mode
- Comprehensive electronic protection
- Compatible with AC/DC power adapter* charging
- Compact and portable design

*Input: 198Vac ~ 242Vac/1.8A/50Hz; Output: Max 19V/4.7A



Model	HDS614L	HDS586N
Electrical Parameters		
System Rated Voltage	12.8VDC	14.8VDC
Max. PV Open Circuit Voltage	< 35V	
PV Array Power	≤150Wp	
Lithium Battery Type	LiFePO4	Li(NiCoMn)O2
Lithium Battery Capacity	≥570Wh	
Charge Method	MPPT	
Max. Charge Current	8A	
DC Output	12V1.25A*4	
USB Output Port 1	DC 5V Max 12.1A	
USB Output Port 2	Supports QC protocol, Max 12V/2.5A@30W	
Static losses (energy saving)	≤10mA	
Weight	2.3kg	5.8kg
Environmental Parameters		
Operating Temperature Range	-10°C ~ +55°C	
Storage Temperature Range	0°C ~ +35°C	
Relative Humidity	≤95%(N.C.)	
Enclosure	IP53	
Mechanical Parameters		
Device Dimension	366*180*150 (H x W x L)	