

LS-B Solar Charge Controller

10-30A, 12/24VDC



LS-EPD Solar Charge Controller

10-20A, 12/24VDC



Overview:

LS-B series is a common positive PWM charge controller. Thanks to the RS485 interface. The parameters can be configured via com. Port, APP, and PC software. It is widely applied to solar home systems, and surveillance system, etc.

Features:

- *Series PWM charging mode
- *Multiple load control modes
- *Full load operation within the working temperature range
- *Extensive electronic protection
- *Variety optional accessories
- *Standard Modbus communication protocol with RS485 interface

Specifications

Model	LS1024B	LS2024B	LS3024B
Nominal system voltage	12/24VDC/Auto		
Battery type	Sealed(Default)/Gel/Flooded/User		
Battery input voltage range	8 ~ 32V		
Rated charge current	10A	20A	30A
Rated discharge current	10A	20A	30A
Max. PV open circuit voltage	50V		
Equalization voltage	Sealed:14.6V,Flooded:14.8V,User-defined:9-17V		
Boost voltage	Gel:14.2V,Sealed:14.4V,Flooded:14.6V,User-defined:9-17V		
Float voltage	Gel/Sealed/Flooded:13.8V,User-defined:9-17V		
Low voltage reconnect voltage	Gel/Sealed/Flooded:12.6V,User-defined:9-17V		
Low voltage disconnect voltage	Gel/Sealed/Flooded:11.1V,User-defined:9-17V		
Self-consumption	≤8.4mA/12V;≤7.8mA/24V		
Temperature compensation	-3mV/°C/2V (default)		
Relative humidity	≤95% (N.C.)		
Enclosure	IP30		
Communication interface	RS485(RJ45)		
Grounding	Common Positive		
Operating temperature range	-35°C ~ 50°C		
Dimensions(LxWxH)(mm)	138.6×69.3×37	159.6×81.4×47.8	200.6×101.3×57
Net Weight	0.13kg	0.30kg	0.50kg

Overview:

LS-EPD series adopts a digital tube menu control design. The waterproof design is mainly considered to be used in harsh environments. It is widely applied to folding panels, outdoor camping, field automatic detection equipment, traffic lights, solar street lights, courtyard light systems, etc.

Features:

- *Series PWM charging mode
- *Multiple load control modes
- *Extensive electronic protection
- *Battery type: sealed battery
- *LED indicators for situation indication and programming
- *Fully encapsulated PCB, IP67 protection
- *Adopt high-quality international brand components

Specifications

Model	LS1024EPD	LS2024EPD
Nominal system voltage	12/24VDC Auto	
Battery type	Sealed battery	
Battery input voltage range	8 ~ 32V	
Rated charge current	10A	20A
Rated discharge current	10A	20A
Max. PV open circuit voltage	50V	
Equalization voltage	14.8V(12V);29.6V(24V)	
Boost voltage	14.4V(12V);28.8V(24V)	
Float voltage	13.7V(12V);27.4V(24V)	
Low voltage reconnect voltage	12.6V(12V);25.2V(24V)	
Low voltage disconnect voltage	11.2V(12V);22.4V(24V)	
Self-consumption	12V:≤4.58mA; 24V:≤6.01mA	
Temperature compensation	-5mA/°C/2V(25°C)	
Enclosure	IP67	
Grounding	Common Positive	
Operating temperature range	-35°C ~ +50°C	
Dimensions(LxWxH)(mm)	108.5×75×25.6	
Net Weight	410g	435g