

### Overview

LS-EPD series solar charge controller adopts the most advanced digital technique and operates fully automatically. It is ideal for extreme environments with corrosion, dust, water etc and has various unique functions.



### Features

- Electronic protection: Over charging, over discharging, overload, short circuit and reverse protection of solar module
- High efficient Series PWM charging, increase the battery lifetime and improve the solar system performance
- Widely used, automatically recognize day/night
- Battery LED indicate battery status
- Industrial design, wide application range
- Digital tube menu, only one key solve all setting simply
- Intelligent timer function with 1~13 hours option
- IP67 protection



## Technical specifications

Model	LS1012EPD	LS1024EPD	LS2024EPD
Nominal system voltage	12VDC	12/24VDC Auto	12/24VDC Auto
Max. PV input voltage	30V	50V	50V
Rated current	10A	10A	20A
Equalize 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: $\leq 4.58\text{mA}$ ; 24V: $\leq 6.01\text{mA}$		
Temperature compensation coefficient	$-5\text{mV}/^{\circ}\text{C}/2\text{V}$ ( 25 $^{\circ}\text{C}$ )		
Working temperature	$-35^{\circ}\text{C} \sim +55^{\circ}\text{C}$		
Enclosure	IP67		
Overall dimension	108.5mm $\times$ 75mm $\times$ 25.6mm		
Mounting dimension	100.5mm		
Mounting hole size	$\Phi 5$		
Power cable	PV/BAT/LOAD:4.0mm <sup>2</sup>		PV/BAT/LOAD:6.0mm <sup>2</sup>
Net weight	408g	410g	435g