

LP-S Series Pwm Solar Charge Controller



Features

Improving battery life time and system performance by using high efficiency PWM charging method
 LCD design, dynamically displaying devices operating data & working condition
 Temperature compensation, adjusting charging and discharging parameters automatically
 Humanized buttons, easy and convenient to operate
 Advanced industry design, widely applicable
 高效的串联式PWM充电方式，延长了蓄电池寿命，提高了系统性能
 采用液晶显示屏设计，动态显示设备的运行数据及工作状态
 采用温度补偿充电控制算法，系统自动调整充放电参数
 人性化按键设置，操作更加舒适、方便
 工业级设计，使用范围更加宽广

Protections

Battery overcharge protection
 Battery over discharge protection
 Battery reverse polarity protection
 Load short circuit protection
 Load overload protection

保护功能

蓄电池过充保护
 蓄电池过放保护
 蓄电池极性反接保护
 负载过载保护
 负载短路保护

Introductions

LP-S series controller is an intelligent and multifunctional solar PWM controller with customized LCD screen and friendly humanity operation design, which is flexible to adjust various parameters for your demand.
 LP-S系列系列太阳能控制器是一种智能型、多用途太阳能充放电控制器。
 该系列产品使用定制的LCD显示屏，具有非常友好的人性化操作界面。
 各控制参数可灵活设定，充分满足您不同的应用需求。

Data sheet

Feature	Model	LP-S10A	LP-S20A	LP-S30A	LP-S40A	LP-S50A	LP-S60A	LP-S30-48	LP-S50-48
Nominal System Voltage		12/24V auto						48V	
Rated current		10A	20A	30A	40A	50A	60A	30A	50A
Max.PV open circuit voltage		≤ 50V						≤ 100V	
Float charging voltage		13.7V/27.4V						54.8V	
Low voltage reconnect voltage		12.6V/25.2V						50.4V	
Low voltage disconnect voltage		10.7V/21.4V						42.8V	
USB output port		5V/3A							
NO load loss		≤ 20mA						≤ 25mA	
Loop voltage drop		≤ 170mV							
Charge mode		PWM							
Temp. compensation		-4mV/Cell/°C							
Working temperature		-20°C~+60°C							
Storage temperature		-35°C~+70°C							
Humidity temperature		≤ 95% N.C.							
Display		LCD							
Dimension		167*90*41mm	180*100*45mm	180*130*45mm	180*100*45mm	180*130*45mm			
Net weight		283g	425g	528g	425g	528g			

Application Diagram

