

## LP-X 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-X 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-X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-X01	LP-X02	LP-X03	LP-X04
Nominal System Voltage				12/24V	
Rated current		10/20A	20/30A	40/50/60A	10/20A
Max.PV open circuit voltage		≤ 50V			
Float charging voltage		13.7V/27.4V			
Low voltage reconnect voltage		12.6V/25.2V			
Low voltage disconnect voltage		10.7V/21.4V			
USB output port		5V/3A			
NO load loss		≤20mA			
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		160*110*30mm	165*100*45mm	200*110*49mm	165*100*45mm
Net weight		294g	268g/314g	550g	280g

## Application Diagram

