

LP-K 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-K 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-K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-K10A | LP-K20A | LP-K30A | LP-K40A | LP-K50A | LP-K60A | LP-K30A-48 | LP-K50A-48 |
|--------------------------------|-------|----------------------------------|-------------|--------------|-------------|--------------|---------|------------|------------|
| Nominal System Voltage | | 12/24V auto | | | | | | | |
| Rated current | 10A | 20A | 30A | 40A | 50A | 60A | 30A | 50A | 48V |
| Max.PV open circuit voltage | | $\leq 50V$ | | | | | | | |
| 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 | | $\leq 20mA$ | | | | | | | |
| Loop voltage drop | | $\leq 170mV$ | | | | | | | |
| Charge mode | | PWM | | | | | | | |
| Temp. compensation | | $-4mV/Cell/^{\circ}C$ | | | | | | | |
| Working temperature | | $-20^{\circ}C \sim +60^{\circ}C$ | | | | | | | |
| Storage temperature | | $-35^{\circ}C \sim +70^{\circ}C$ | | | | | | | |
| Humidity temperature | | $\leq 95\% N.C.$ | | | | | | | |
| Display | | LCD | | | | | | | |
| Dimension | | 150*85*35mm | 185*90*40mm | 187*130*52mm | 185*90*40mm | 187*130*52mm | | | |
| Net weight | | 216g | 380g | 730g | 380g | 730g | | | |

Application Diagram

