

LP-B 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

保护功能

Battery overcharge protection	蓄电池过充保护
Battery over discharge protection	蓄电池过放保护
Battery reverse polarity protection	蓄电池极性反接保护
Load short circuit protection	负载过载保护
Load overload protection	负载短路保护

Introductions

LP-B series controller is an intelligent and multifunctional solar PWM controller with customized LCD screen (color ful/ white/ blue backlight) and friendly humanity operation design, which is flexible to adjust various parameters for your demand.

LP-B 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彩色/白/蓝背光屏，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-B3024	LP-B3048	LP-B5024	LP-B5048
Nominal System Voltage		12/24V auto	48V	12/24V auto	48V
Rated current		30A		50A	
Max.PV open circuit voltage		≤50V	≤100V	≤50V	≤100V
Float charging voltage		13.7V/27.4V	54.8V	13.7V/27.4V	54.8V
Low voltage reconnect voltage		12.6V/25.2V	50.4V	12.6V/25.2V	50.4V
Low voltage disconnect voltage		10.7V/21.4V	42.8V	10.7V/21.4V	42.8V
USB output port		5V/3A			
NO load loss		≤20mA	≤25mA	≤20mA	≤25mA
Loop voltage drop		≤170mV		≤200mV	
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		Color LCD			
Dimension		188*90*48mm		188*130*62mm	
Net weight		380g		590g	

Application Diagram

