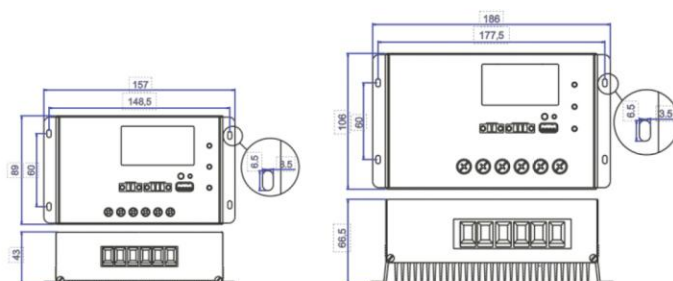


SDI-P Series PWM solar charge Controller

Product Introduction

SDI-P series is a Solar charge controller with LCD display. All parameter can shown on the LCD screen. support for USB charger and RS485 communicate. Infrared remote control also can be chosen. Mainly being use for off-grid home system.



Product Family

SDI-P20A, SDI-P30A, SDI-P40A, SDI-P50A, SDI-P60A, SDI-P70A, SDI-P80A

Main Features

Main Features
 PWM Three-stage charging mode
 (20-40A) 12/24V auto
 (50-80A) 12/24/36/48V auto
 Parameter can be modified by button or IR remote control
 PV, Battery, Load Parameters can be display on the screen
 Work mode: auto, light control, manual
 Rs485 interface modbus optional
 USB port reserved for future communication
 External battery temperature sensor optional

Protections

PV reverse polarity/overvoltage alarm protection
 Battery overcharge/over discharge/reverse polarity protection
 Battery temperature too high or too low protection
 Overload/Short circuit
 Over Temperature protection

Technical Specifications

SDI-P series PWM LCD Solar Charge Controller							
Rated charge current	20A	30A	40A	50A	60A	70A	80A
Model	SDI-P20A	SDI-P30A	SDI-P40A	SDI-P50A	SDI-P60A	SDI-P70A	SDI-80A
System voltage	12V/24V auto			12V/24V/36V/48V auto			
PV max open circuit voltage	100V			150V			
Rated load current	20A	30A	40A	50A	60A	70A	80A
Direct charge voltage*	GEL: 14.4V, AGM: 14.2V, Custom: 9~17V						
Boost charge voltage*	GEL: 14.8V, AGM: 14.6V, Custom: 9~17V						
Float charge voltage*	GEL / AGM: 13.8V, Custom: 9~17V						
Over-discharge return voltage*	GEL /AGM: 12.6V, Custom: 9~17V						
Over-discharge voltage*	GEL: 11.0V, AGM: 11.1V, Custom: 9~17V						
Loss	≤15mA(12V); ≤10mA(24V); ≤8mA(48V)						
Load dual period control	Auto						
External temperature sensor	DS18B20(optional)						
Temperature compensation	-4mV/°C/2V						
Communicate interface	RS485,MODBUS(optional)						
USB interface	5V 1A(optional)						
Dimensions	157x90x43mm			186x107x67mm			
Terminal Connection	6AWG 16mm²			2AWG 25mm²			
Net weight	510G			1025g			
Protection class	IP30						
LCD oprate temperature range	-20℃~~+70℃						
Work temperature range	-25℃~~+55℃						
Humidity	≤95% N.C.						
Note: *Technical data for 12V svstem at 25℃, x2 in 24V,x3 in 36V&x4 in 48V svstem							

Remote Control

