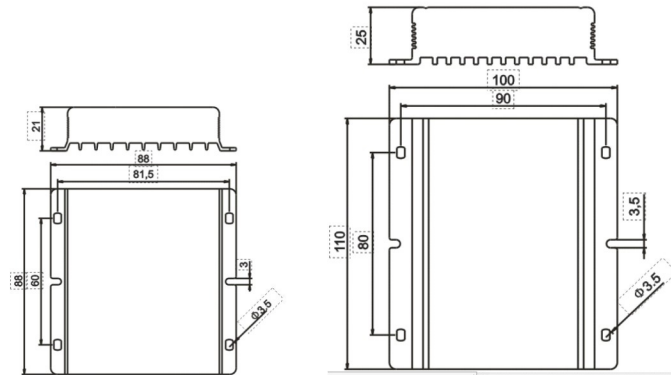


SDW-P Series PWM Solar Charge controller

Product Introduction

SDW-P Series, is a waterproof solar charge controller, using RC-3 infrared remote for setting. The perfect design with advanced digital control to ensure the life of battery. Four different work mode can be used for solar street lighting and solar home system.



Product Family

SDW-P10A, SDW-P20A

Main Features

- Four output control mode (Auto, Lighting control, Manual, Testing)
- Over Load Capability 110% normal running, 125% 1min, 150% 20s
- Automatic 12V/24V Detection
- High effectively PWM charge
- waterproof IP67
- Aluminum housing for better cooling
- 40~+55°C Wide temperature range
- Temperature compensation

Protections

- PV reverse polarity/overvoltage alarm protection
- Battery overcharge/over discharge/reverse polarity protection
- Overload/Short circuit
- Over Temperature protection

Technical Specifications

PWM Solar Charge Controller (Waterproof)				
Model	SDW-P10A	SDW-P20A		
System voltage	12/24V Auto			
Load parameter				
Max. output current	10A	20A		
Over Load Capability	110% normal run, 125% 1min, 150% 20s			
PV parameter				
Max. PV Output power	170W12V/340W24V	340W12V/680W24V		
Max. PV Open circuit voltage	65V			
Max. PV current	10A	20A		
Battery parameter				
Type of Battery	AGM	GEL	Li	Custom
Max. Battery voltage	34V			
Main charge voltage*	14.2V	14.4V	Custom	/
Boost charge voltage*	14.6V	14.8V		10~20V
Float charge voltage*	13.6V			10~20V
Equalization charge voltage*	14.6V	14.8V		/
Over Discharge voltage*	11.1V	11.0V		8~20V
Reconnect voltage*	12.6V	13.0V	10~20V	
Temp. compensation	4mV/°C/2V		/	/
Others				
External Communication	RS485/2400pbs, Modbus (optional)			
Self-consumption	<12mA			
low voltage protect	30% Energy			
Over Term.	85°C			
Dimensions (LxWxH)	88x88x21	110x100x25		
Net weight	250g	400g		
Enclosure	IP67			
Working temperature	-40~+55°C			
Note: * Technical data for 12V system at 25°C, x2 in 24V system				

Application

