



SR-DH

*For street light
Built in Driver
Dimming
Wireless*



SR-DH20
SR-DH50



SR-DH100

- New design of wireless remote-control can modify the controller parameter and read the system message according to the handheld device.
- Digital high precision constant-current control, the maximum efficiency can reach 96%.
- The working current can be adjusted from 0.15A to 3.3A, the regulating precision is 30mA.
- High dynamic performances of load insure current output stability even though the battery voltage and load sudden change.
- 3 section time frame dimming function design, work time can be set range from 0h to 15 hours, power can be set range from 0% to 100%.
- Intelligent power mode, the load power can be adjust automatically according to the battery power, can extend the maximum working time of the battery.
- Record the system status, can record at a max 7days and monitor the whole system.
- The true constant current but not limited the current, insure the current output stability thus decrease LED light failure, increase the LED service life.
- Metal case, IP68 waterproof degree, can suitable use in all kinds of bad conditions.
- With modified calculation of charging, the charging efficiency is improved, which lengthen the using time of solar energy.
- Overheat preventing function, above a certain temperature will decrease the load or close the load.
- Varies system protection function. Including the battery reverse connection, LED short circuit, open circuit protection and so on.

Parameter name	Parameter value			Adjustable	Default value
Model	SR-DH100	SR-DH50	SR-DH20		
System voltage	12V/24V	12V/24V	12V		
Output power	50W/12V 100W/24V	25W/12V 50W/24V	20W		
Output current	0.15A~3.3A	0.15A~1.98A	0.15A~1.67A	√	330mA
No-load loss	9mA/12V; 12mA / 24V		9 mA /12V		
Charging current	15A	8A	5A		
Solar input voltage	< 55V		< 30V		
Efficiency of constant current	90% ~96%				
Overvoltage protection	16.0V ; ×2/24V				
Charging limits voltage	15.5V ; ×2/24V				
Equal charging voltage	15.2V ; ×2/24V (25°C)				
Equal charging interval	30 days				
Ascending charging voltage	14.2V ~15.0V ; ×2/24V (25°C)			√	14.4V
Float charging voltage	13.2V ~14.0V ; ×2/24V (25°C)			√	13.8V
over-discharging recover voltage	12.0V ~13.0V ; ×2/24V			√	12.6V
over-discharging voltage	9.8V ~11.8V ; ×2/24V			√	11.0V
Temperature compensation	-4.0mv/°C/2V ;				
Current precision	±3% (Load current>300mA)				
Load output voltage	<60V	<60V	<60V		
over-temperature protection	ambient temperature:80°C(load drop power)				
overheat protection	internal temperature:120°C(Load off)				
light control voltage	5V ~11V			√	5V
light control delay	5min ~50min			√	5min
Working temperature	-35°C~+65°C ;				
Protection level	IP68				
Weight	280g	170g	160g		
Dimension (mm)	100*82*20	58*82*20			