

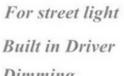


## **SR-DH** Wireless Solar Charge Controller With LED Driver



## SR-DH

Built in Driver Dimming Wireless







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-D	H50	SR-DH20		
System voltage	12V/24V	12V/2	24V	12V		
Output power	50W/12V 100W/24V	25W/ 50W/	. – .	20W		
Output current	0.15A~3.3A	0.15A~	1.98A	0.15A~1.67A	$\sqrt{}$	330mA
No-load loss	9mA/12V; 12mA / 24V 9 mA /12V					
Charging current	15A	8 <i>A</i>	4	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)				$\sqrt{}$	14.4V
Float charging voltage	13.2V ~14.0V ; ×2/24V (25°C)				$\sqrt{}$	13.8V
over-discharging recover voltage	12.0V ~13.0V ; ×2/24V				$\sqrt{}$	12.6V
over-discharging voltage	9.8V ~11.8V; ×2/24V				$\sqrt{}$	11.0V
Temperature compensation	-4.0mv/°C/2V ;					
Current precision	±3%	±3% (Load current>300mA)				
Load output voltage	<60V	<60\	<b>/</b>	<60V		
over-temperature protection	ambient temperature:80°C(load drop power)					
overheat protection	internal temperature:120°C(Load off)					
light control voltage	5V ~11V				$\sqrt{}$	5V
light control delay	5min ∼50min				$\sqrt{}$	5min
Working temperature	-35°C <b>~</b> +65°C ;					
Protection level	IP68					
Weight	280g	170g	70g 160g			
Dimension ( mm)	100*82*20	100*82*20 58*82*20				