

Smart-DC N5 series

30W/40W/60W SOLAR CHARGE CONTROLLER



Boost galvanostatic, 5 stages , Dimming, IP67, Infrared

- Can output constant current (output current can be set). Accuracy: 50mA, Min current: 30mA
- 5 stages time and dimming can be adjusted, dimming 0~100%
- Can read parameters and running status
- If low power of the battery, it can be set to dimming automatically
- Start dimming voltage and dimming ratio can be set
- Charging target voltage and charging recovery voltage can be set
- Day/Night threshold adjustment automatically
- Remote Unit to configure, with LCD display
- External temp sensor, automatic temp compensation
- IP67, Strong and durable aluminum case
- Full automatic electronic protect function

Technical Datasheet

	SMR1006-DC N5Y	SMR1006-DC N5X
Max charging current	10A	10A
System voltage	12V	12V/24V Auto
Output power	12V : 3~40W	12V : 3~40W , 24V : 3~60W
Output voltage	12V : 15~55V	12V : 15~55V , 24V : 30~55V
Output current	12V : 0.15~2.0A	12/24V : 0.15~2.0A
Current precision	±2%	
Max LED driver efficiency	95%	
Dimming	0~100%	
Voltage of start dimming	11.8~12.5V(Programmable)	11.8~12.5V/23.6~25V(#)
Dimming percentage	1~20%	
Fast voltage	14.0V (25°C)	14.0/28.0V (25°C)
Boost voltage	14.5V (25°C)	14.5/29.0V (25°C)
Equal voltage	14.8V (25°C)(Liquid)	14.8/29.6V (25°C) (Liquid)
Float voltage	13.7V (25°C)	13.7/27.4V (25°C)
Low voltage disconnect	10.8~11.8V ; SOC1~5 (Programmable)	10.8~11.8V/21.6~23.6V ; SOC1~5
Low voltage reconnect	11.4~12.8V(Programmable)	11.4~12.8V/22.8~25.6V(#)
Over chage protect	15.5V	15.5/31.0V
Lighting hours	5 stages (Programmable)	
Day/Night threshold	3.0~8.0V (Programmable)	3.0~8.0V/6.0~16.0V (#)
Day/Night delay time	0~30 min	
Battery type	Liquid , GEL	
Temp compensation	-4.17mV/K per cell (Boost, Equal) , -3.33mV/K per cell Float)	
Max solar voltage	23V	55V
Max battery voltage	20V	40V
Dimensions/Weight	85x72x22.6mm/255g	
Self consumption	10mA	
Ambient temperature	-35~+60°C	
Protection degree	IP67	
Max altitude	4000m	