

3.2V single string battery series

SNS40-H/DMS40



Performance characteristics

- Available for single-string or 2-string lithium battery application.
- Hibernation mode, static current can be low as 1mA.
- Wireless communication technology, convenient for setting parameters.
- Ten-stage induction setting, more flexible lighting time and efficiency control.
- Human body infrared and microwave induction.
- Latest digital constant current technology leads to less load current fluctuation.

Parameters

Models	SNS40-H	DMS40	Parameters adjustable	Default
Zero load loss	≤40mA ; ≤20mA/6.4V	≤40mA/3.2V ; ≤20mA/6.4V		
Static Current	5mA	1mA		
System voltage	3.2V/6.4V	3.2V/6.4V		
Max load power	20W/3.2V 40W/6.4V	40W/3.2V 80W/6.4V		
Load output voltage	5 ~ 35V	5 ~ 35V		
Load periods	9 periods + predawn	9 periods + predawn		
Charge method	PWM	MPPT		
Rated charge current	15A	20A		
Max solar panel power	65W/3.2V 130W/6.4V	80W/3.2V 160W/6.4V		
Solar panel input voltage	Single-string Vmp=5V Voc=6V Two-string Vmp=10V Voc=12V	< 30V < 30V (Conventional 36cell solar panel)		
Load conversion efficiency	80% ~ 95%	80% ~ 94%		
Load current accuracy	< 5%	< 3%		
overcharge voltage		2.5V ~ 8.4V(25°C)	√	3.6V
overcharge return voltage		2.5V ~ 8.4V(25°C)	√	3.4V
Over discharge voltage		2.5V ~ 8.4V(25°C)	√	2.5V
Over discharge return voltage		2.5V ~ 8.4V(25°C)	√	3.2V
Light control voltage		1V ~ 7V	√	2V
Operating temperature		-35°C ~ +65°C		
IP rating		IP67		
Weight (g)	150	260		
Dimensions (mm)	58*82*17	80*82*22.6		
Installation size (mm)	43*75	65.5*75		