O DENRYO

Expand Electrification Life for You

Solar Charge Controller Solar Amp

Features

- The world's most compact design
- Low self-consumption
- Full electronic protections
- Over discharged battery recovery
- Easy installation
- LED indication
- Patented

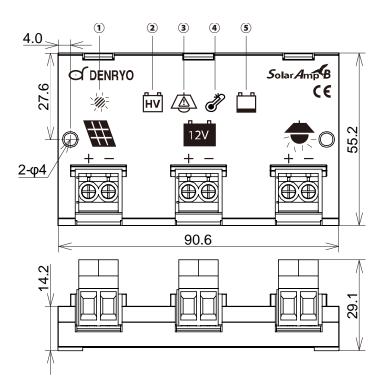


Rohs CE

Specification

MODEL		SA-BA10	SA-BA20	SA-BB10	SA-BC10	SA-BC20	SA-BD10	
System Voltage		12V		24V	12V		24V	
Max. Input Voltage		25Vdc		50Vdc	25Vdc		50Vdc	
Min. Input Battery Voltage		6Vdc		8Vdc	6Vdc		8Vdc	
Max. Input Current		10A	20A	10A	10A	20A	10A	
Max. Load Current		10A	20A	10A	10A	20A	10A	
Self-consumption Current		2mA (Typical)						
Load Operation		Always on			Dusk to dawn			
Charging Algorithm		3-stage (Bulk, Absorption, Float)						
Charging Voltage		14.4Vdc		28.8Vdc	14.4Vdc		28.8Vdc	
Float Charging Voltage		13.7Vdc		27.4Vdc	13.7Vdc		27.4Vdc	
High Voltage Protection		18Vdc	18Vdc		18Vdc		36Vdc	
Over	Warning	11.8Vdc	.8Vdc		11.8Vdc		23.6Vdc	
Discharge	Error	11.5Vdc	11.5Vdc		11.5Vdc		23Vdc	
Protection	Recovery	12.5Vdc		25Vdc	12.5Vdc		25Vdc	
High Tomp	Warning	60°C						
High Temp. Protection	Error	80°C						
FIDIECTION	Recovery	60°C						
Battery Type		Lead acid battery						
Wire Size	Wire Size		#12~10 AWG	#18~12 AWG	#18~12 AWG	#12~10 AWG	#18~12 AWG	
Grounding		Positive ground						
Temperature Coefficient		-30mV/°C -60mV/°C -30mV/°C -60mV/°C					-60mV/°C	
Operation Temperature		-20~60°C						
Storage Temperature		-30~70°C						
Humidity		5~95%RH non-condensing						
Dimensions (D×W×H)		29×91×55mm						
Weight		65g	70g	65g	65g	70g	65g	

Dimensions



Unit [mm]

LED Indicators

State of Charging LED

LED/Color			Indication	Status		
1		Charging	Green	Flashing	Charging	
	==			Solid	Full Battery(Charging)	

Warning and Error LED

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LED/Color				Indication	Charging Status	Load Status
2	H∨	High Voltage	Red	Solid	OFF	OFF
3 4		Over load	Red	Flashing	OFF	OFF ^{*1}
	<u>(</u>			Solid	OFF	OFF
4	ð	High Temperature	Yellow	Flashing	ON ^{*2}	ON
				Solid	OFF	ON
5		Low Voltage	Yellow	Flashing	ON	ON
				Solid	ON	OFF

^{*1} The load is reconnected automatically by every 3 seconds in 10 minutes. If the overload remains after 10 minutes, LED becomes solid and disconnects the load.

*2 The bulk charging current is limited to 80%.