

Features

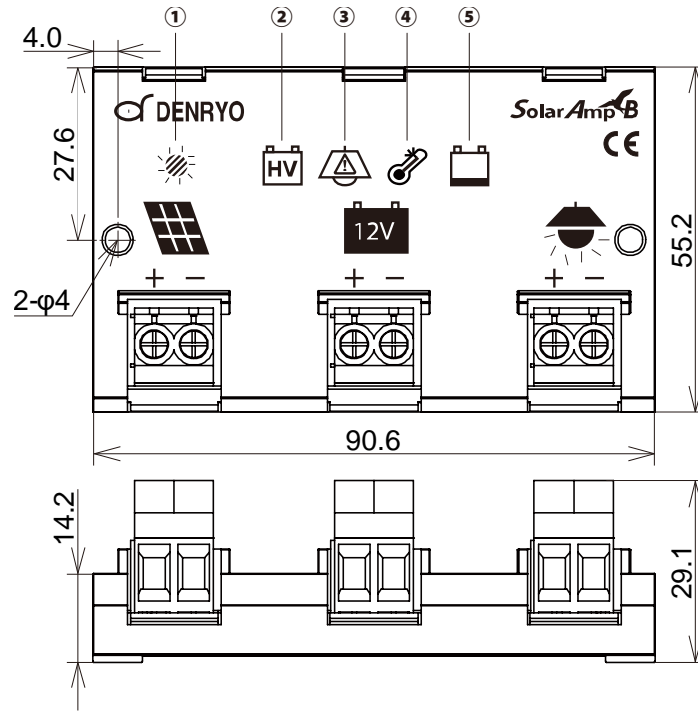
- The world's most compact design
- For 11.1V lithium-ion secondary batteries
- Low self-consumption
- Full electronic protections
- Over discharged battery recovery
- Easy installation
- LED indication
- Patented



Specification

MODEL		SA-BA10Li
System Voltage		12V
Max. Input Voltage		25Vdc
Min. Input Battery Voltage		6Vdc
Max. Input Current		10A
Max. Load Current		10A
Self-consumption Current		2mA (Typical)
Load Operation		Always on
Charging Algorithm		2-stage (Bulk, Absorption)
Charging Voltage		12.4Vdc
High Voltage Protection	Error	13.5Vdc
	Recovery	12.8Vdc
Over Discharge Protection	Warning	10.0Vdc
	Error	9.0Vdc
	Recovery	10.5Vdc
High Temp. Protection	Warning	40°C
	Error	50°C
	Recovery	40°C
Low Temp. Protection	Warning	0°C
	Error	-10°C
	Recovery	0°C
Battery Type		11.1V lithium-ion secondary batteries
Wire Size		#18~12 AWG
Grounding		Positive ground
Operation Temperature		-10~50°C
Storage Temperature		-30~70°C
Humidity		5~95%RH non-condensing
Dimensions (DxWxH)		29x91x55mm
Weight		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

LED/Color			Indication	Charging Status	Load Status	
②		High Voltage	Red	Solid	OFF	OFF
③		Over load	Red	Flashing	OFF	OFF ^{*1}
				Solid	OFF	OFF
④		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%.