

Product Specification

Model:	Date: September 11, 2018
BS11A-P24/2.3L	Created by: Engineering & Development Dept

This specification applies to Battery Package, Model BS11A-P24/2.3L
 This unit is Battery Package to back up optional DC stabilized Power Supplies at blackout.

General Specification

(All items are provided at normal temperature and humidity unless otherwise specified).

	Items	Specification and Standard	Measurement condition, etc.
Electrical Specification	Battery	PXL12023 (GS make) 2 pcs in parallel	Sealed Lead-Acid battery
	Nominal Battery Voltage	24V	
	Rated capacity	2.3Ah	20 hour rate
	Capacity at shipment	90% or more of rated capacity	
	Built-in Fuse rating	30A 32V	Use the same specification and Rating of fuse.
Environment	Operating Temp. & Humidity	0 to 40°C, 20 to 90%RH	No condensation
	Storage Temp. & Humidity	-20 to 50°C, 10 to 95%RH	No condensation
	Vibration	To endure 0.075mm of displacement amplitude with 10 to 55Hz of Frequency in each direction of X, Y, and Z for 10 sweep cycles.	To follow JIS-C-60068-2-6 (at the condition of standard packaging)
	Drop Test	Lift one bottom edge of the unit up to 50mm high with the opposite edge placed on the test bench, and let it fall. Repeat 3 times for each of four bottom edges, and no malfunction shall be observed.	To follow JIS-C-60068-2-31 (at the condition of standard packaging)
Others	Insulation Resistance	100MΩ or more between + terminal and FG, and between - terminal and FG.	At DC500V Megger
	Dimension	Refer to Outline drawing.	
	Weight	2.6kg typical	
	Quality Grade	FA	To follow our standard.
	Short lifetime component	Battery	Periodical maintenance and replacement is required.
	Storage condition	Auxiliary charging shall be every 3 months at 35°C of storage temperature and every 6 months at 25°C of storage temperature. (If auxiliary charging is not conducted beyond the period, the battery may not recover enough, or perform the expected lifetime after the charging).	
	Warranty	One year after delivery. However, if any faults belong to us, the defective unit shall be repaired or replaced at our cost except the defect caused by over discharge.	Except wrong operation out of the specification.
	Documents	Any technical-related documents except the specification including General specification and Outline drawing are not submitted in principle.	



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Yodo				2799-01-4-520			1/3

Product Specification

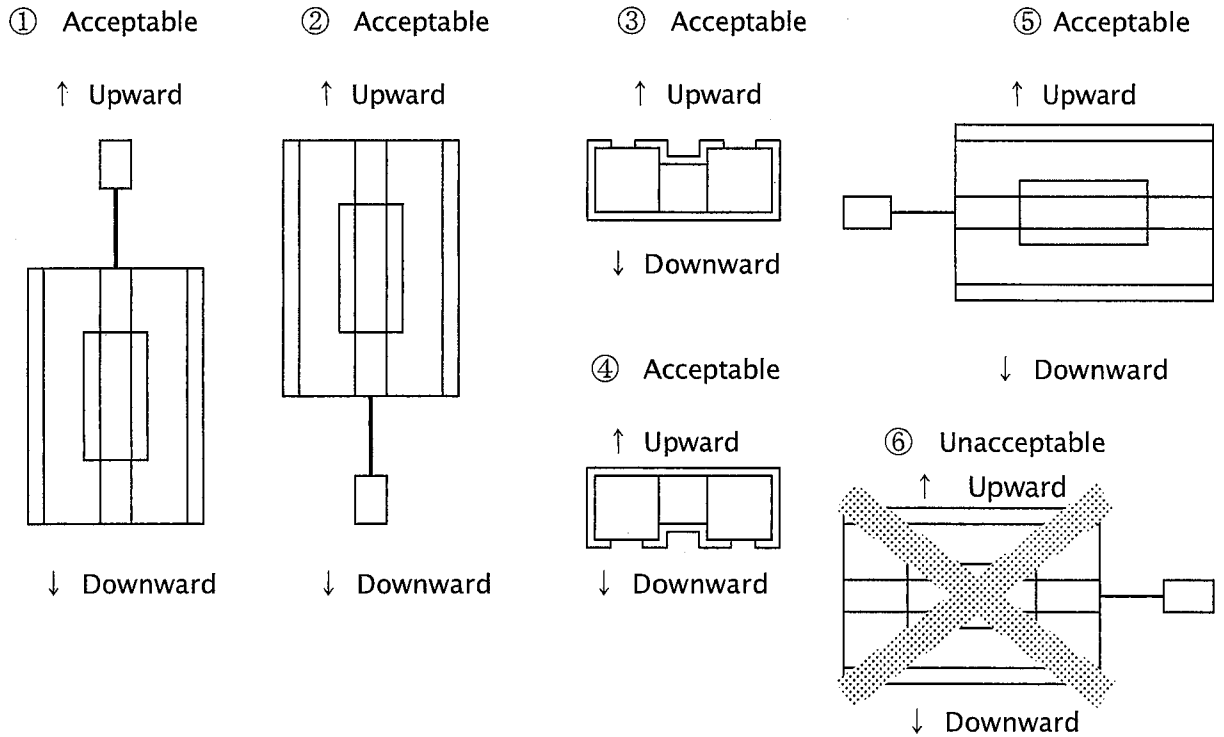
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Installation

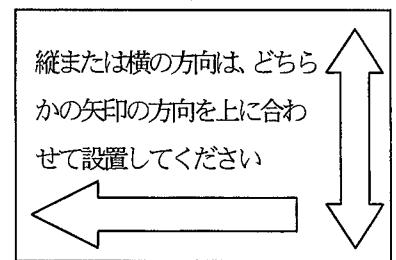
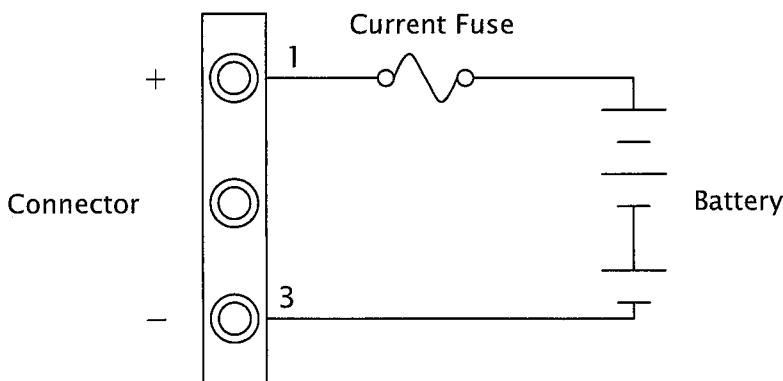
Sealed Lead-Acid battery is used in the unit.

Make sure to follow the direction of ① to ⑤ in installation due to the structure of the battery.

*Note: Do not install the unit in the direction ⑥, as it may cause the leakage of the electrolyte when the safety valve of the Lead-Acid battery is opened.
Refer to the arrow shown in the direction label ⑦ to install correctly.



Wiring



⑦ Direction Label



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Precaution before use

1. Installation Area ※Danger
Do not install in the enclosed space or near fire as it may cause explosion or fire.
2. Electrolyte leakage of Sealed Lead-Acid battery ※ Warning
When used at high temperature or forcibly used at life-end situation, the electrolyte (diluted sulfuric acid) in the battery may leak to spread adverse affect around leading to fire in the worst case.
Make sure to use at the temperature described in the specification and perform periodical maintenance and replacement. In addition, surely place an insulator tray, which does not chemically react with diluted sulfuric acid, beneath the unit in case the electrolyte should leak.
3. Terminal Short Circuit ※ Warning
Do not short the terminals as it may lead to a serious accident.
4. Others ※ Caution
In addition, regarding the items that are not described in this specification, use the battery package in a proper way at your responsibility following the general instructions on sealed Lead-Acid batteries.
Pay attention not to operate wrong as it may cause electrolyte leakage, heat and explosion of the battery leading to damage operators or other personnel.



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