

Products Specification

MODEL		BS19A-P48/5.0L			Created: Feb. 29, 2008	
					Tokyo Technical Center	
SCOPE						
<p>This specification applies to Battery Pack Model BS19A-P48/5.0L.</p> <p>This unit is a battery package for backup at blackout used with optional stabilized power supplies.</p>						
General specification (All items in the specification are provided at normal temperature and humidity.)						
Items		Specification/Standard			Measurement conditions, etc.	
Electrical Specification	Battery	PXL12050 (GS Yuasa), FPX1250 (Furukawa), WP5-12 (Kung Long) or equivalent, 4 pcs. in series			Sealed Lead-acid battery	
	Nominal voltage	48V				
	Rated capacity	5.0Ah			10-hour rate	
	Capacity at factory shipment	90% min. of rated capacity				
	Built-in fuse	58Vmin. 30A			Any fuse different from the spec. or rating is not allowed to replace.	
Environment	Operating Temp./Humidity	0 to 40°C/20 to 90%			No condensation	
	Storage Temp./Humidity	-20°C to less than 40°C/10 to 95%				
	Vibration	To endure the vibration acceleration of 2G with vibration frequency of 10 to 55Hz for 10 sweep cycles in each of X-, Y-, and -Z direction			JIS-C-60068-2-6 at no operation in a standard package	
	Surface dropping	Lift one bottom edge 50mm high with the opposite edged placed on a test bench and let it fall. Repeat 3 times for other 3 bottom edges and no malfunction shall be observed.			JIS-C-60068-2-31 at no operation in a standard package	
Others	Insulation resistance	100MΩ min. between + terminal and FG, - terminal and FG				
	Dimensions	164 (W) by 128 (H) by 235 (D)			Except convex parts (Refer to appearance drawing.)	
	Weight	10 kg typical				
	Reliability grade	FA			To follow our standard	
	Limited lifetime component	Battery			Periodic maintenance/replacement is required.	
	Storage condition	Recharge: Recharge every 3 months at 35°C storage and every 6 months at 25°C storage as a guideline. (If not recharged after the period above, the capacity may not be recovered even if recharged, or enough lifetime may not be gained during operation.)				
	Warranty	One year after delivery; If defects belong to us, the defective unit shall be repaired or replaced at our cost except over discharge.			Except any operation out of the specification	
<div style="font-size: 1.5em; color: red; font-weight: bold;">出図</div> <div style="color: red; font-weight: bold;">(株)ニプロン・技管</div>						
Rev	Date	Description	By	Rev	Date	Description
				A	H22.4.12	I-220412
						大前
By						
Drawn by	Checked by	Approved by	Drawing No.			Sheet No.
arino	nishi	takumi	6139-01-4-520A			1/3

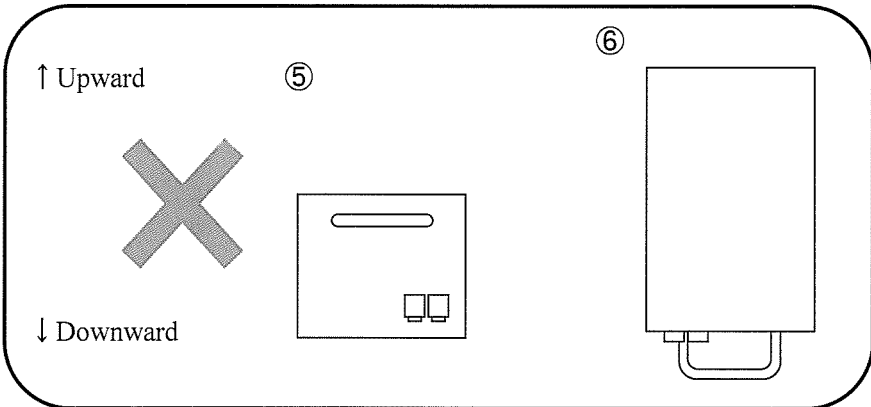
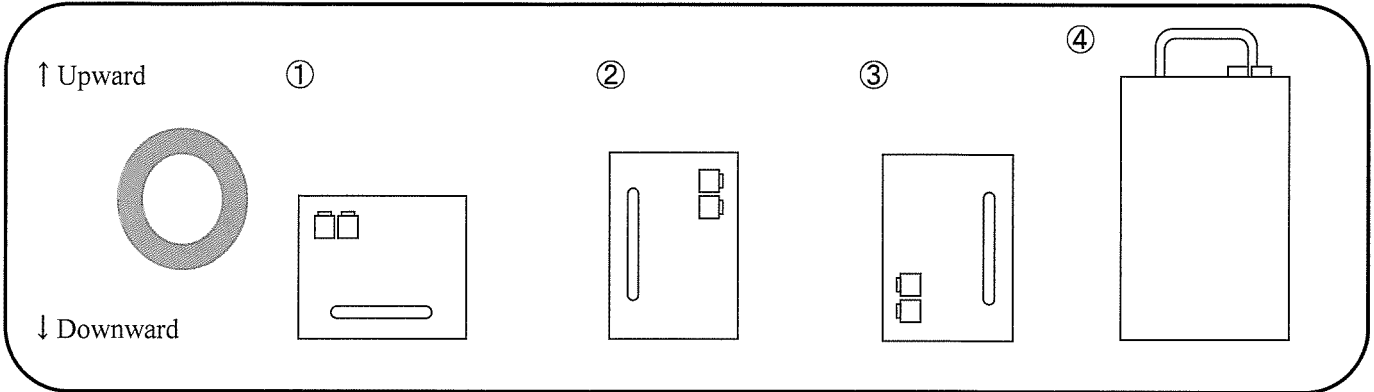
Products Specification

MODEL <h2 style="text-align: center; margin: 0;">BS19A-P48/5.0L</h2>	Created: Feb. 29, 2008 Tokyo Technical Center
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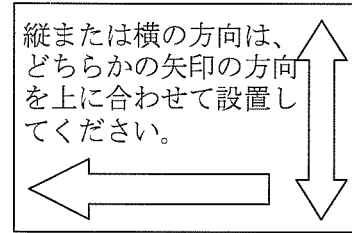
Installation Direction

This unit equips "Sealed Lead-acid battery". Make sure to install in the direction of ① to ④ below due to the structure of sealed lead-acid battery.

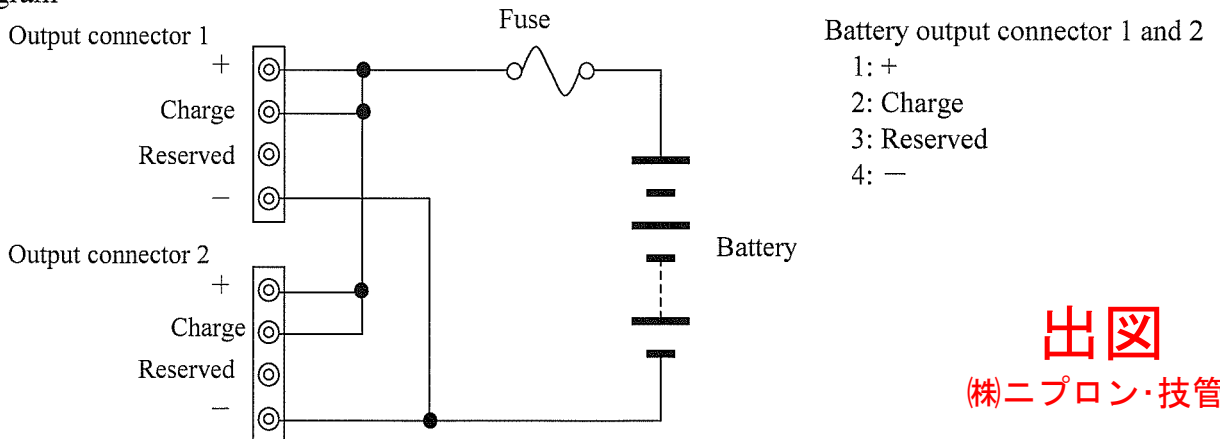
* Note: Avoid the direction of ⑤ below as the electrolyte may leak when the safety valve of the battery comes to As the direction of ⑥ below burdens a handle or connectors, contact us before use.
 Follow the instruction of Direction label ⑦ below for correct installation.



⑦ Direction label



Wiring diagram



出図
 (株)ニプロン・技管

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Products Specification

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Precautions before use

 **Danger**

1. Where to install

Do not install in enclosed space or close to fire, or it may cause explosion or fire.

 **Warning**

2. Electrolyte leakage of sealed Lead-acid battery

If the battery is operated at high temperature, or the battery is very close to end-of-life, electrolyte (dilute sulfuric acid) may leak out to cause bad influence to the surroundings resulting in fire in the worst case. Make sure to use it within the temperature range and conduct periodic maintenance or replacement. Place an insulator plate which does not react to dilute sulfuric under the battery just in case of electrolyte leakage.

3. Terminal shortage



Do not get terminals shorted as it may lead to serious accident.

 **Caution**

4. Others

For items unlisted in the specification, follow general instructions of sealed lead-acid battery for proper operation under the user's responsibility. Wrong operation may cause the electrolyte leakage of the battery, heat buildup, explosion or damages to operators or other personnel.

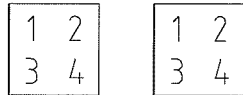
出図
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Drawn by	Checked by	Approved by	Drawing No.				Sheet No.	
arino			6139-01-4-520				3/3	

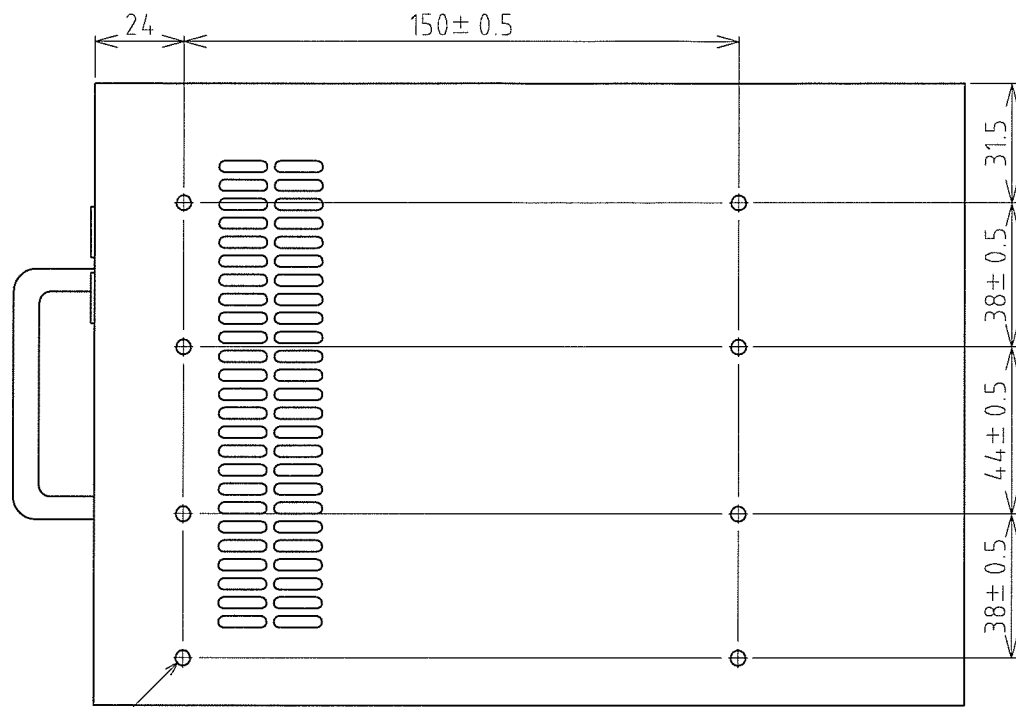
バッテリー出力コネクタ / Battery output connector

ピン配置図 / Pin Assignment

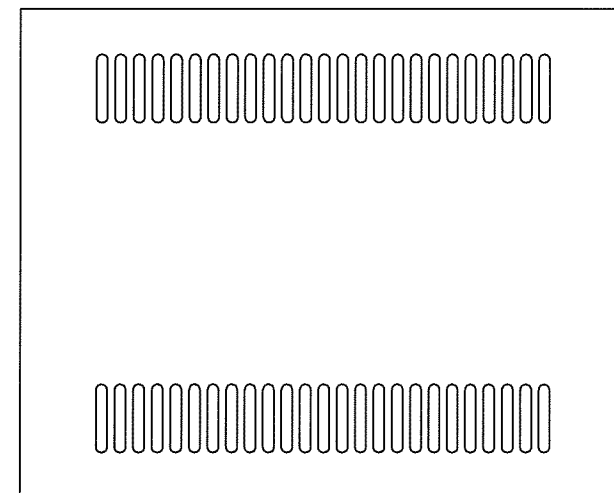
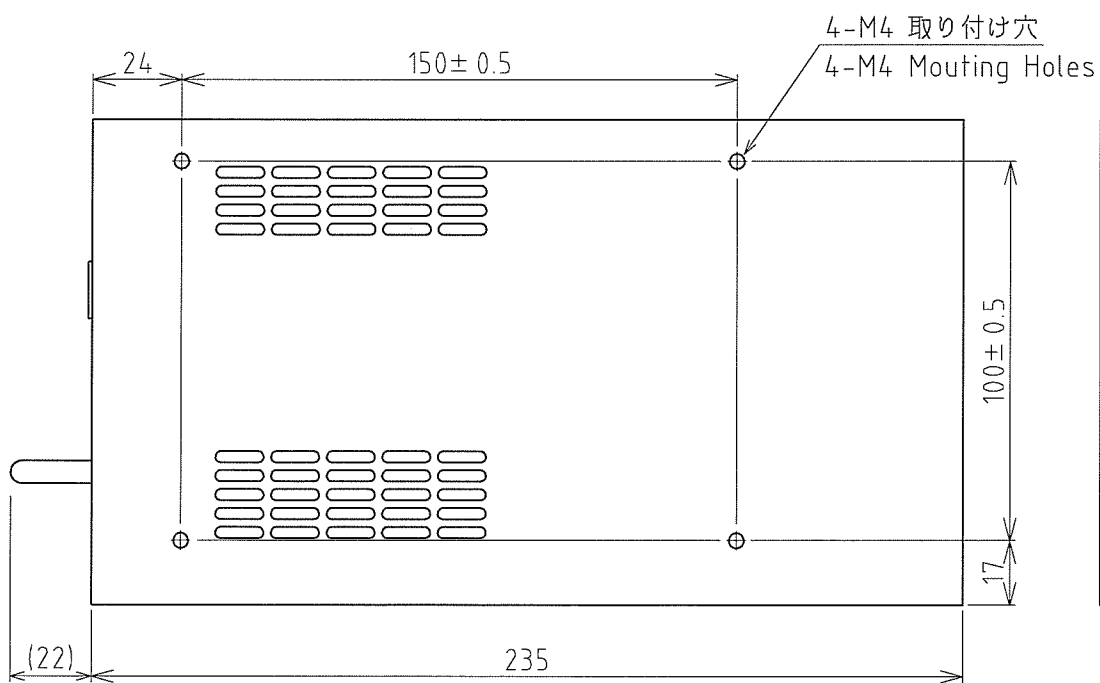
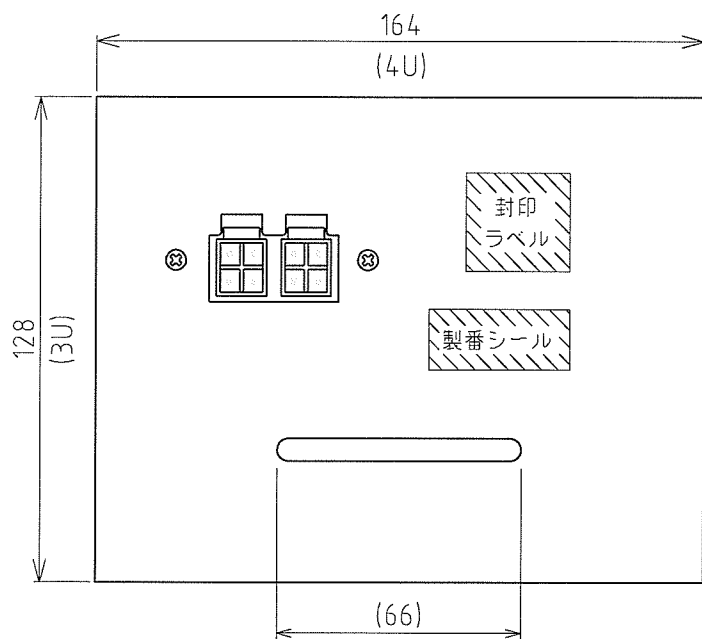
出力1 /Output1 出力2 /Output2



B04P-VL (JST) B04P-VL (JST)



8-M4 取り付け穴
8-M4 Mounting Holes



注1: 特に指示のない寸法公差は ±1mm とする

注2: コネクタ等の凸部は含まず

注3: 取り付けビスの電源内部長さは 6mm MAX

Note 1: Dimensional tolerance shall be ±1mm unless otherwise specified.

Note 2: Convex portions of connectors, etc. shall not be included.

Note 3: Penetration depth of mounting screws inside power supply shall be 6mm Max.

△ シール類の追加 2010.04.09 大前 I-220412

△ 英訳を追記の上 全面改訂 2008.09.19 有野 I-200941

DRAWN BY	CHECKED BY	CHECKED BY	APPROVED BY	SCALE	MATERIALS	TITLE	DRAWING NO.	BS19A-P48/5.0L
arino	nishi	—	tatsumi	UNITS m/m				
ISSUED 2008. 2. 29				3RD ANGLE PROJECTION	FINISH	-	6139-01-3-050	B

出図

(株)ニプロン 技管