Product Specification Model Date: September 16, 2003 BS06A - H24/2.5LCreated by: Engineering Headquarters, Research & Development group This specification applies to battery package, BS06A-H24/2.5L. This unit is a battery package for backup use at blackout, and is to be used with a DC stabilized power supply sold separately. General Specification (Items are provided at normal temperature and humidity unless otherwise specified.) Measurement conditions, I t e m s Specification / Standard etc 1.2V 2500mA: 14 cells connected in series Sealed Ni-MH battery Batterv Nominal battery voltage DC16.8V Electrical specificatior 2500 mAh Rated capacity Max. output power 310W Built-in booster DC23.0V typical Output terminal voltage of the battery. Output voltage Charge specification 0.25A typical (Max.15 hours) The heater operates at or under the temperature of the battery The heater shall operate only when the Heater peripheral connector of the power supply of 20°C typical. Since the battery is unable to meet the body is connected to CN2 connector and discharge properties at low temperature, the heater warms up the PS ON or REMOTE ON/OFF signal the battery. Power consumption is 12W/DC5V typical when is turned ON. the heater is operating. 30A/ 32V Embedded fuse rating Operating 0 to 50°C/10 to 90% There shall be no condensation. However, if the temperature is 15° C or temperature/ humidity lower, connect CN2 (heater) (Note 1). If CN2 is not connected, load derating is needed. There shall be no condensation. Storage within one year: -20° C to less than 35° C/10 to 95° Storage temperature/ Ξ nvironment specificatio humidity Storage within six months: -20° C to less than 45° C/10 to 95° % Storage within a month: -20° C to less than 55° C/10 to 95° Storage within a week: -20° C to 65° C or less/10 to 95° % To endure displacement amplitude of 0.15mm with To follow JIS-C-0040-1995 Vibration vibration frequency of 10 to 55Hz for 10 sweep cycles in the X-, Y-, and Z-direction for 45 minutes. To endure an acceleration of 150m/s² for 11ms once each Mechanical shock To follow JIS-C-0041-1995. in the X-, Y-, and Z-direction; there shall be no malfunction, damage, loosening, or coming-off. Dimensions L181×W146×H38 Weight 1.8kg typical Reliability grade FA To follow our standard. Short life Regular maintenance and replacement expectancy Battery (Consult with us for cycle-use). are required. components If the battery is not charged within the period as described on the left, the battery may not recover enough capacity even with recharging. Storage condition For a long-term storage of six months or longer, re-charge the battery at least once a year (once every six months if available). (Note 2) One year after delivery; however, if any faults belong to us, for defects Warranty Except caused by the defective unit shall be repaired or replaced at our cost operations out of the specification. 0 (except for defect caused by over discharge). , 1 Ь The general specification and outline drawing. Other technical Materials attached o documents shall not be released in principle. \mathbf{s} condition The battery has been compulsively charged for 15 hours Charge at shipment before shipment. (Note 1) The warm-up time from 0° C is approximately one hour. (Note 2) How to recharge: With auxiliary charging status of the battery package, short pin 1 and 3 of CN3 and turning on the AC power switch on the panel of the special Nonstop power supply connected to CN1 starts forcible recharging for about 15 hours. When using NSP3-150 or NSP2-250 series power supply, you need to make the power supply's REMOTE ON/OFF signal LOW, and also minimum load of the power supply is required. In order to prevent battery degradation due to unnecessary charging, make sure to remove the short between pin 1 and 3 of CN3 at the start of recharging or after the charge is completed. Also, when using DC power supply other than special Nonstop power supply to charge, the output voltage of the power supply shall be DC $27\pm1V$ and its current shall be 0.5A minimum. Checked by Drawn by Approved by Drawing No. 2744-01- 4 -020A 山本 1/4



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Model

BS06A-H24/2.5L

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Created	l by:	Engine	ering	Headquarters,
	Res	earch &	Develo	pment group

Precaution before use

1. Disassembling 💥 Danger

Never disassemble the battery package. The electrolyte inside is strong alkaline and it may damage your skin and clothes. Particularly, if the electrolyte is caught in your eyes, you may lose your sight. Should the electrolyte come into contact with your eyes accidentally while disassembling, wash immediately with clean water and go to your doctor. Do not rub your eyes. Also, if disassembled, its electrodes inside may catch fire reacting to oxygen in the atmosphere. NEVER DISASSEMBLE THE BATTERY PACKAGE.

2. Short circuit 💥 Danger

Do not touch the terminal area of the battery package or PCB portion with metal pieces or metal bars. It may damage the equipment or generate heat from the battery, resulting in burn injury.

- Throwing into flame and heating X Danger
 Do not throw the battery package into flame or heat it up. The battery may explode as a result.
- 4. Charging in the reversed position When recharging the battery with a different charger other than the designated one, do not charge the battery in the reversed position. It may generate gas rapidly inside to increase gas pressure, resulting in electrolyte leakage, swell, or explosion
- 5. Installation in equipment \bigotimes Danger When installing the battery into equipment, never seal it. In some cases, hydrogen and oxygen gas may be produced, which is likely to cause burst or explosion ignited by sparks from the switch and motor, etc. Even if the installation space is an open structure, remaining gas and positioning of an ignition spot may lead to the same danger. Therefore, provide degassing holes or block off the ignition sources, such as motors and switches, in a proper way.
- 6. Diversion to other applications X Danger Do not use the battery package for other applications. It may damage the batteries or equipments due to different specifications.
- Soaking in water and water leakage X Warning Do not soak the battery in water/seawater as it may generate heat and rust, resulting in malfunction.
- 8. Others 💥 Caution

For items that are not specified in this specification too, follow the 'Precautions before use' for general sealed Ni-MH battery to use properly on your own responsibility. Be aware that wrongful use of the battery causes leaking, heating, and exploding, which will lead to a serious accident to personnel.

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