

Battery Package BS10A-H24/2.0L

300W Min. Large Capacity Ni-MH Battery

Lead Ni-Cd **Ni-MH** Other

RoHS Directive



BS10A-H24/2.0L

Battery backup discharge characteristics
Be aware that it is a reference value at initial use of the battery package; it is not a guaranteed value.



Model	Description	Stock
BS10A-H24/2.0L		Standard stock

Model Name Coding
BS10 A - H 24 / 2.0 L
 ① ② ③ ④ ⑤ ⑥

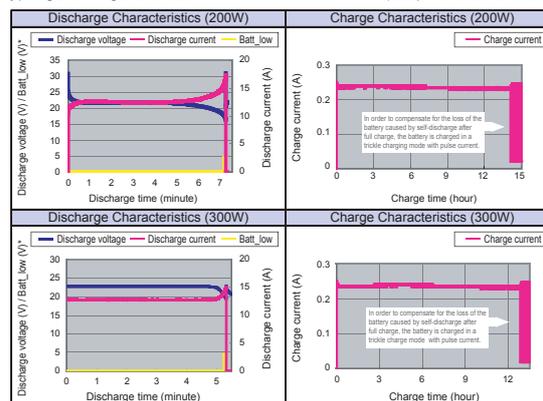
1. Series name	4. Output voltage (24 VDC)
2. Modification code	5. Capacity
3. Ni-MH battery	6. Long life expectancy battery

Compatible Power Supply

HNSP9-520P series	p.15
eNSP3-450P series	p.23
mNSP3-450P series	p.31

Battery Charge/Discharge Characteristics (used with eNSP3-450P-S20-H1V)

Be aware that it is a reference value at initial use of the battery package; it is not a guaranteed value. (Examples of actual measurement)



Features

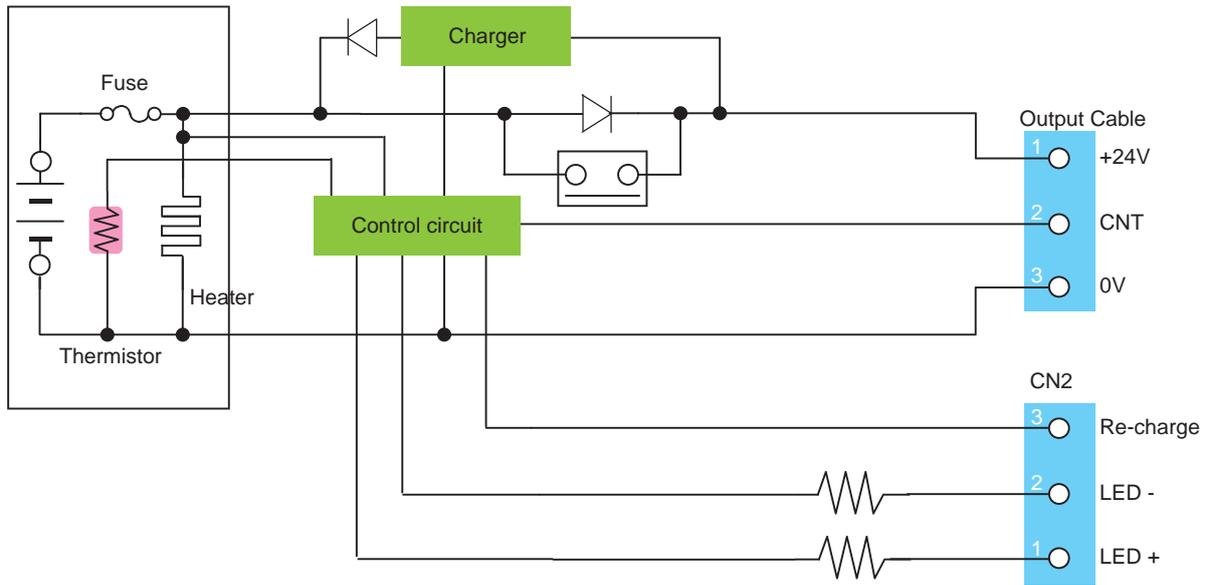
- High capacity Ni-MH battery dedicated to nonstop power supply, eNSP3-450P.
- The embedded heater prevents capacity drop at low temperature.
- Condition of the battery package (charge/backup) is visible.

General Specification Condition: at normal temperature and humidity unless otherwise specified

Items	Specification	Measurement condition, etc.
Battery	12V 1.8Ah × 20 connected in serial	Sealed Ni-MH battery
Nominal Battery Voltage	24 VDC	
Rated Capacity	1.8Ah	
Max Output Capacity	410W	
Charge Specification	0.20A typ. (15 hours max. typ.)	It is set at 15-hour forced charge mode at shipment.
Heater	The heater operates if the battery's temperature is 15°C typ. or less (power consumption while the heater operates: 10W). The warm-up time at 0°C is 1 hour.	It is available with AC input regardless of the PS_ON# signal of the power supply body.
Embedded Fuse Rating	30A 32V	Do not replace fuse.
Operating Temp. / Humidity	0 to 45°C / 10 to 90%	No condensation. Internal heater operates at 15°C typical or less.
Storage Temp. / Humidity	1 year or less: less than -20 to 30°C / 10 to 90%, 3 months or less: -20 to 40°C / 10 to 90% 1 month or less: -20 to 50°C / 10 to 90%	No condensation
Vibration	Displacement amplitude: 0.075mm (10-55Hz), Sweep cycles: 10, Test duration: 45 minutes each axis	JIS-C-60068-2-6, at no operation
Mechanical Shock	Lift one bottom edge up to 50mm and let it fall. Number of bumps: 3 each of 4 edges	JIS-C-60068-2-31, at no operation
Weight	1.8 kg typ.	
Reliability Grade	FA	Follow our standard
Life Expectancy*	Approx. 3 to 4 yrs. (5 time/day discharge) / Approx. 2.5 yrs. (1 times/year discharge)	Environmental temp. 30°C, 200W 3-minute discharge at a time
Storage	When storing the battery for 6 months or longer, recharge the battery at least once a year (once every 6 months if possible).	The battery may not fully recover if it is not recharged within the period as listed on the left.
Warranty	1 year after delivery. If any faults belong to us, the defective unit shall be repaired or replaced at our cost except for malfunction caused by over-discharge.	Except for errors caused by operation not listed

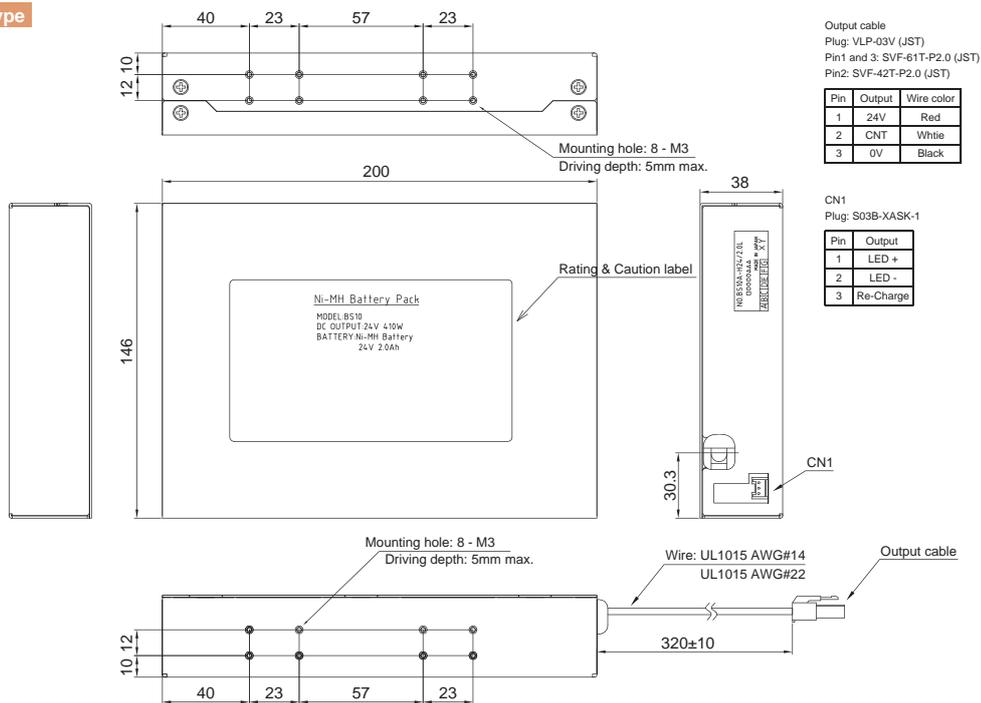
* Life expectancy is a reference value. It is not a guaranteed value.

Block Diagram



Outline Drawing

5-inch bay fixed type



Battery Package & Options

Q&A

Question	Answer
Can this unit be used for cycle use (backup for everyday use) since it does not have a fan?	This unit has an improved charging system that minimizes the increase of temperature while charging. Therefore, it can be used for cycle use.
Does the unit have a function to detect the remaining life time?	BS10A-H24/2.0L does not have a function to detect the remaining life span. BS22A series has that function. BS22A series also has a calendar scheduling and other functions (Refer to p.413 for details.).
Has the unit acquired safety standards?	The battery package has acquired a safety standard in combination with compatible power supply (battery package is registered as an optional component of a power supply.)