

Removable Nonstop Unit BU-300P-24P



Model	Stock	Standard Price (Before tax)
BU-300P-24P	Standard stock	¥4,500
BU-300P-24P3	1 to 5 units: 30 days for delivery 6 units and more: 100 days for delivery	¥5,500

Model Name Coding		① Series name	④ DC input voltage
BU - 300 P - 24P *		② Output capacity	(battery voltage) 24V type
①	②	③	⑥ +Modification number

Compatible Power Supply

Desktop PC power supply	
Model	Page
eNSP-300P series	B-E22

Feature

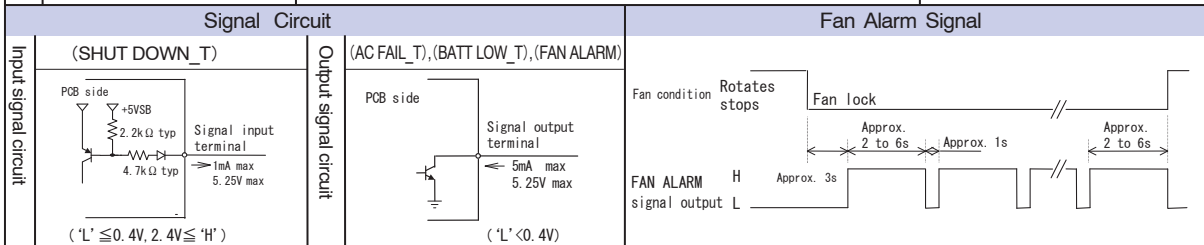
- If connected to eNSP-300P-S20-00S, it can be used as a nonstop power supply.
- For BU-300P-24P3, SG and FG are separated. PCB (solder side) is coated.

Product Specification

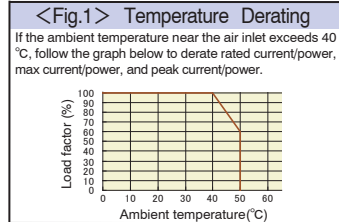
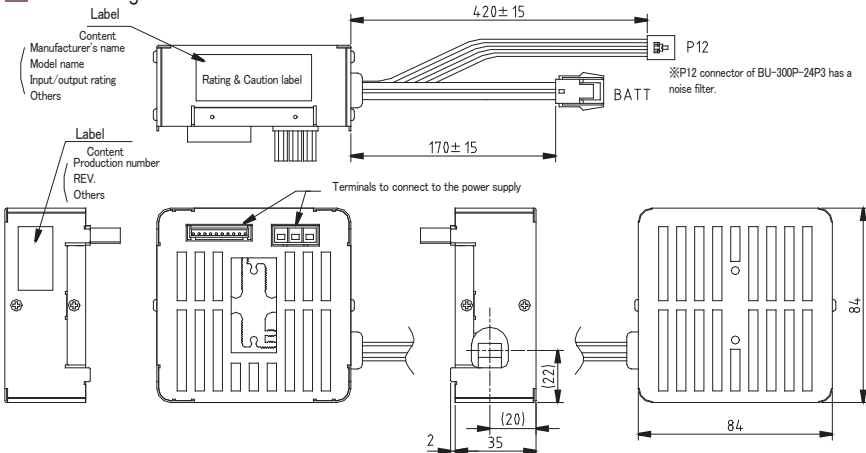
	Items	Specification	Measurement conditions, etc.
DC Input	Rated voltage	DC24V (complies with the dedicated battery package)	
	Battery discharge cut-off voltage	19V typical (battery circuit shutdown)	
	Efficiency	67% typical	At rate input/output; efficiency including power supply body
Output	Output voltage	203.6W/303.6W(Peak output power)	
	Charge voltage	27.3V typical	At 25°C, full charge, with thermal compensation
	Charge current	0.5±0.2A	At 24V battery voltage
Environment	Operating temp./humidity	0-50°C*/10-90%	*See <Fig.1> below.
	Storage temp./humidity	-25-70°C/10-95%	There shall be no condensation.
	Vibration	Displacement amplitude of 0.15mm, vibration frequency of 10-55Hz for 10 sweep cycles in the X-Y-Z directions for 45 minutes each.	JIS-C-0040-1995
Mechanical shock	Mechanical shock	Acceleration of 150m/s ² for 11ms one time each in the X-Y-Z directions. No malfunction, damage, loosening, or coming-of.	JIS-C-0041-1995
	Safety standard	UL60950, CSA C22.2 No.60950(c-UL), EN60950	Acquired in combination of the power supply body
Other	Reliability grade	FA (Industrial equipment grade to use double-sided PWBs with through holes)	It is to follow our standard.
	Warranty	One year after delivery. If any faults belong us, the defective unit shall be repaired or replaced at our cost.	Except for errors caused by operation not listed.

Signal Input/Output Specification

	Items	Specification	Note
Input signal	Battery shutdown signal for TTL (SHUT_DOWN_T)	Battery connection is shutdown with 'L' input (15ms min input) (only available during battery backup operation).	P12 connector 2-pin
	Blackout detection signal for TTL (AC_FAIL_T)	The signal goes 'OPEN' at low AC input voltage/blackout detection (open collector output) (voltage drop of AC input capacitor of the power supply body is detected. Detection delay time depends on the size of output power, and it varies between 20 to 500ms after AC failure).	P12 connector 3-pin
Output signal	Low battery voltage signal for TTL (BATT_LOW_T)	When the battery terminal voltage decreases to 20V typical, the signal goes 'OPEN' (open collector output) ('L' is delivered if the battery package is not connected to the nonstop unit)	P12 connector 4-pin
	Fan alarm signal (FAN_ALARM)	When the fan lock remains shut down square waves are delivered continuously. *See the figure <Fan Alarm Signal> below	P12 connector 6-pin



Outline Drawing



Pinout Assignment

CN NAME	PIN No.	FUNCTION	WIRE COLOR	WIRE TYPE	CONNECTOR TYPE	CN NAME	PIN No.	FUNCTION	WIRE COLOR	WIRE TYPE	CONNECTOR TYPE
P12	1	COM	BLACK	UL1007 AWG#22	Housing: 51030-0630(Molex) or equivalent Terminal: 50084-8114(Molex) or equivalent	BATT	1	BATT+VE	RED	UL1015 AWG#14	Housing: VLR-02V(JST) or equivalent Terminal: SVM-61T-P2.0(JST) or equivalent
	2	SHUT_DOWN_T	YELLOW				2	BATT-VE	BLACK		
	3	AC_FAIL_T	BLUE								
	4	BATT_LOW_T	WHITE								
	5	N.C.	ORANGE								
	6	FAN_ALARM	PURPLE								

Computer Power Supply - BRAIN

Control & Mechanism System Power Supply - LIMBS

- A. UPDATE
- B. SELECTION GUIDE
 - B-A
 - B-B
 - B-C
 - B-D
 - B-E
 - B-F
 - B-G
- C. PRODUCT PAGE GUIDELINE
 - C-A
 - C-B
 - C-C
 - C-D
 - C-E
 - C-F
 - C-G
 - C-H
- D. TECHNICAL DICTIONARY
- E. COMPANY PROFILE
- F. BUSINESS MANUAL
- G. INDEX