

POWER

BBS and BBU

Preliminary Data Sheet

Battery Backup System and Battery Backup Unit

Total Power: 4.4 kW
Output: 12.25 - 12.50 Vdc



FEATURES

- Provides DC power during power outages
- Power shelf to provide 4.4 kW for 15 minutes minimum (BBS)
- Hot-swappable battery backup unit (BBU)
- Charge and discharge management
- Supports hotswap functions
- Battery protection management
- LED indicators for capacity, charge, discharge, fault, and warning states

BBS COMPLIANCE

- IEC60950
- CE Mark, CB Certificate
- TÜV
- RoHS

BBU COMPLIANCE

- IEC60950
- CE Mark, CB Certificate
- TÜV
- UL94V-0 Flammability
- UN38.8
- UL1973
- UL1642
- RoHS

Protect mission critical information when you need it, where you need it. This battery backup system from Artesyn Embedded Technologies fits right into the system rack, occupying only 1U space while providing 4,400 Watts for up to 15 minutes.

Electrical Specifications

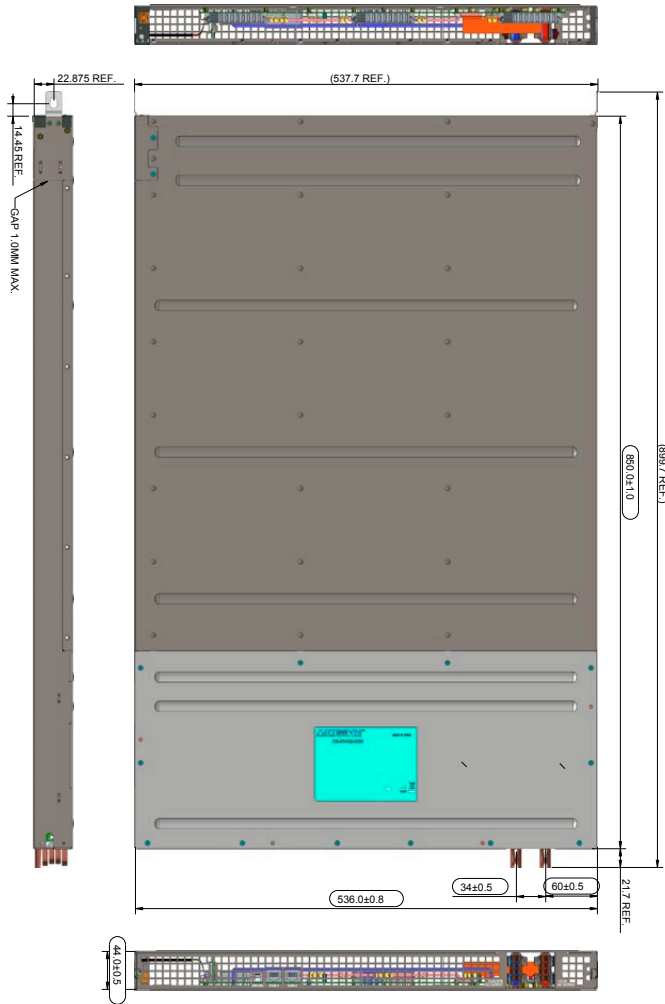
Input	BBS	BBU
Input voltage	12.45 - 13.0 Vdc	12.45 - 13.0 Vdc
Input current	37.5 A maximum	12.5 A maximum
Charging time (@ 25 °C)		5.5 hours at 2.0 A charge current
Charger efficiency		>90% at typical operating conditions
Output	BBS	BBU
Output voltage	12.25 - 12.50 Vdc	12.25 - 12.50 Vdc
Output voltage at discharge test		12.625 - 12.85 Vdc
Output ripple	120 mVp-p	120 mVp-p
Output current	357 A maximum	119 A maximum
Backup power	4,400 Watts (full configuration)	1,470 Watts
Backup time at 100% power	900 seconds	900 seconds

Environmental Specifications

Operating temperature	10 °C to 45 °C
Storage/transportation temperature	-20 °C to 60 °C for 12 months maximum (BBS, BBU) or -30 °C to 60 °C for one month maximum (BBU)
Operating relative humidity	5 to 80%, non-condensing
Non-operating relative humidity	5 to 95% non-condensing
Operating altitude	3050 m (10,000 feet)
Non-operating altitude	Up to 30,000 feet above sea level
Shock and vibration	IEC78-2 and IEC721-3
Gaseous contamination	Severity Level G1 per ANSI/ISA 71.04-1985
MTBF (BBU)	250,000 hours at 35 °C in charge/idle/discharge modes
Life span (BBU)	Five (5) years at typical operating conditions at 25 °C

Mechanical Drawings - BBS

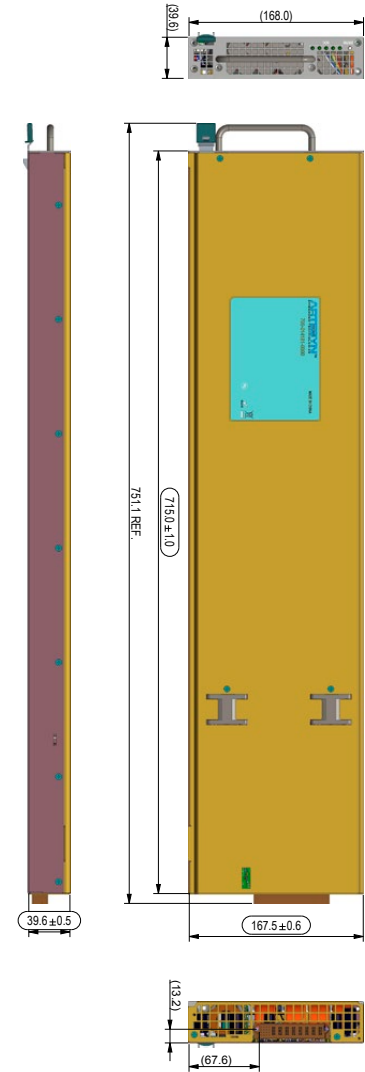
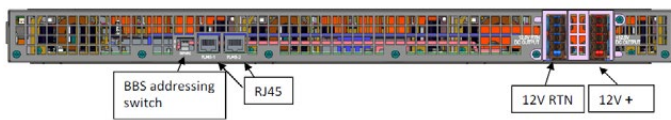
Mechanical Drawings - BBU



Front panel view



Back panel view



Front panel view



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