

External Battery Charger (EBC) FA10042

All IntelliPower systems utilize circuit boards, chassis, components and construction techniques that are specifically designed for extreme environments—rugged, challenging thermal and/or shock and vibration applications. Our digital, double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation, which provides ideal electrical output performance. Our standard build practices have enabled certified compliance to a number of performance standards for select models and product families. IntelliPower systems have proven performance in a wide range of key rugged military programs within the Army, Air Force, Navy and Marines. IntelliPower products are designed and manufactured in the USA, which means shorter lead times from design to shipping, as well as a level of personalized service unequaled in the marketplace.



External Battery Charger (EBC)

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|--------------------------|---|---------------|
| Part #: | FA10042 | 102121 |
| Model #: | EBC-RM-2s-108V-10A-CAB | |
| Unit Description: | External Battery Charger supplying (2) Strings of 108V nominal at 10 amps. | |

| INPUT RATINGS | |
|--|------------------------|
| Input AC Voltage 1 (AC Voltage, tolerance): | 120VAC (-20% +15%) |
| Input Frequency 1 (Hz, tolerance): | 50/60Hz, (±5Hz) |
| Input Max Current with Inverter Output (Amps): | N/A |
| PFC Feature: | N/A |
| Breaker & Switch Input 1 (type, location): | 2P30A, Circuit Breaker |
| OUTPUT RATINGS | |
| Power Rating (VA, Watts): | 2816W |
| Output AC Voltage 1 (AC Voltage, tolerance): | N/A |
| Output DC Voltage (DC Voltage, tolerance): | 2x 108VDC (nominal) |
| Output Frequency 1 (Hz, follower/changer): | N/A |

(continued)

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|---|---|
| Isolation (galvanic isolation/non-isolated): | Non-Isolated (Isolated thru PDU) |
| Neutral Bonded to Ground (bonded/un-bonded/switch): | N/A |
| Breaker & Switch AC Output 1 (type, location): | N/A |
| MECHANICAL | |
| Enclosure Type & Size (type/rack unit, dimensions): | Rack mountable, 2U, 3.5"H x 17" W x 24" D |
| Enclosure Material & Finish (aluminum/steel, finish): | Aluminum, powder coated charcoal gray |
| Enclosure Airflow (front to rear/front to side/other): | Front to rear |
| Weight: | TBD |
| Enclosure – Special (IP65/Zone 1): | N/A |
| Fan Filters (EMI/dust/comboination/grill): | Dust |
| Conformal Coated PCBAs (yes/no): | Yes |
| INTERFACE COMMUNICATIONS | |
| Communications (SNMP2/SNMP3/RS232, type): | RS-485 to UPS |
| Discrete (Relay/Opto, Description): | N/A |
| CONNECTORS | |
| Connector(s) AC Input 1 (type, location): | Cir Mil MS 3452L22-22P |
| Connector(s) AC Output 1 (type, location): | 2x Locking Anderson (1 x 2) |
| Connector(s) EBP/Charger (type, location): | N/A |
| BATTERIES | |
| Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron): | N/A |
| Battery Total Quantity: | N/A |
| Battery String Voltage: | 2 strings, 108VDC (Nominal) |
| Battery String (number of strings, quantity per string) | N/A |
| Battery Minimum Run Time (approx. run time at #watts): | N/A |
| Battery Mounting (hot swap/fixe): | N/A |
| EMI and ENVIRONMENTAL | |
| Application (shipboard/airborne/ground/all): | All |
| Operating Temperature: | -25°C to +55°C |
| Humidity: | 0-95%, non-condensing |

Specifications subject to change without notice.