

# External Battery Charger (EBC) FA10051

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)		
Part #:	FA10051	102121
Model #:	EBC-RM-2s-96V-10A-CAB	
Unit Description:	(2) Strings of 96V 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:	Yes
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)

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
<b>MECHANICAL</b>	
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
<b>INTERFACE COMMUNICATIONS</b>	
Communications (SNMP2/SNMP3/RS232, type):	RS485
Discrete (Relay/Opto, Description):	N/A
<b>CONNECTORS</b>	
Connector(s) AC Input 1 (type, location):	Cir Mil MS3452L22-22P
Connector(s) AC Output 1 (type, location):	Locking Anderson (1 x 2) x 2
Connector(s) EBP/Charger (type, location):	N/A
<b>BATTERIES</b>	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	N/A
Battery Total Quantity:	N/A
Battery String Voltage:	2 strings, 96VDC (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
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	All
Operating Temperature:	0°C to +55°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.