

## External Battery Charger (EBC)

# FA00376

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)

<b>Part #:</b>	FA00376	102121
<b>Model #:</b>	IBC-2stg-7B-CHR	
<b>Unit Description:</b>	External Battery Charger, 2 Stage, 2 Strings of 7-Battery-84V Nominal Modular Enclosure to be used for recharging external battery packs as a storage and maintenance function.	

INPUT RATINGS	
Input AC Voltage 1 (AC Voltage, tolerance):	120 VAC
Input Frequency 1 (Hz, tolerance):	50 or 60 Hz
Input Max Current with Inverter Output (Amps):	N/A
PFC Feature:	N/A
Breaker & Switch Input 1 (type, location):	Toggle Switch & Breaker, 2P5.0A, Front Panel
OUTPUT RATINGS	
Power Rating (VA, Watts):	225 W
Output AC Voltage 1 (AC Voltage, tolerance):	N/A
Output DC Voltage (DC Voltage, tolerance):	101 VDC
Output Frequency 1 (Hz, follower/changer):	N/A

(continued)

Isolation (galvanic isolation/non-isolated):	None
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):	Vertical, 3.5" W x 11.2"H x 17" 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):	Grill
Conformal Coated PCBAs (yes/no):	No
<b>INTERFACE COMMUNICATIONS</b>	
Communications (SNMP2/SNMP3/RS232, type):	RS-232, Rear Panel
Discrete (Relay/Opto, Description):	N/A
<b>CONNECTORS</b>	
Connector(s) AC Input 1 (type, location):	1 each IEC-320 C14, Rear Panel
Connector(s) AC Output 1 (type, location):	1 each Locking Anderson, 4-pin locking – 2 pins used, Rear Panel
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:	84 VDC
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/fixed):	N/A
<b>EMI and ENVIRONMENTAL</b>	
Application (shipboard/airborne/ground/all):	Ground
Operating Temperature:	-10°C to +50°C
Humidity:	0-95%, non-condensing

Specifications subject to change without notice.