

# External Battery Module (EBM)

## FA00098-01

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 Module (EBM)		
Part #:	FA00098-01	Rev. 100121
Model #:	EBP-84-2-2U24.5AI	
Unit Description:	84V, 2 Parallel Strings, 7 (8.5Ah) Batteries Per String, 2 x Hot Swap, 3U24.5, Aluminum, Cir Mil	

CONNECTORS	
Connector(s) EBM/Charger Group 1 (type, location):	MS3450L18-10S, panel mounted, rear
MECHANICAL	
Enclosure Type & Size (type/rack unit, dimensions):	3U rack mountable, 3.5"H" x 19" W x 24.5" D
Enclosure Material & Finish (aluminum/steel, finish):	Aluminum, powder coated charcoal gray
Enclosure – Special (IP65/Zone 1):	N/A
Weight:	TBD
BATTERIES	
Battery Type (rating, PbAcid/Pure PbAcid/Lithium Iron):	12V9AH
Battery Total Quantity:	14

(continued)

Battery Strings (number of strings, quantity per string):	2, 7
Battery String Voltage:	84 VDC
Battery Runtime 1:	30 min with 2100W load
Battery Mounting (Fixed/Hot Swap):	Hot Swap
<b>EMI &amp; ENVIRONMENTAL</b>	
Temperature (Operating):	-20°C to 55°C
Humidity:	5 to 95% non-condensing

Specifications subject to change without notice.