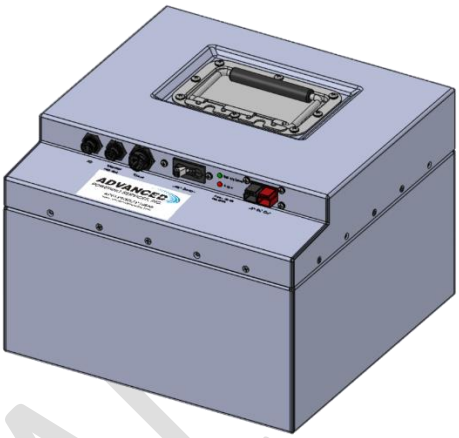
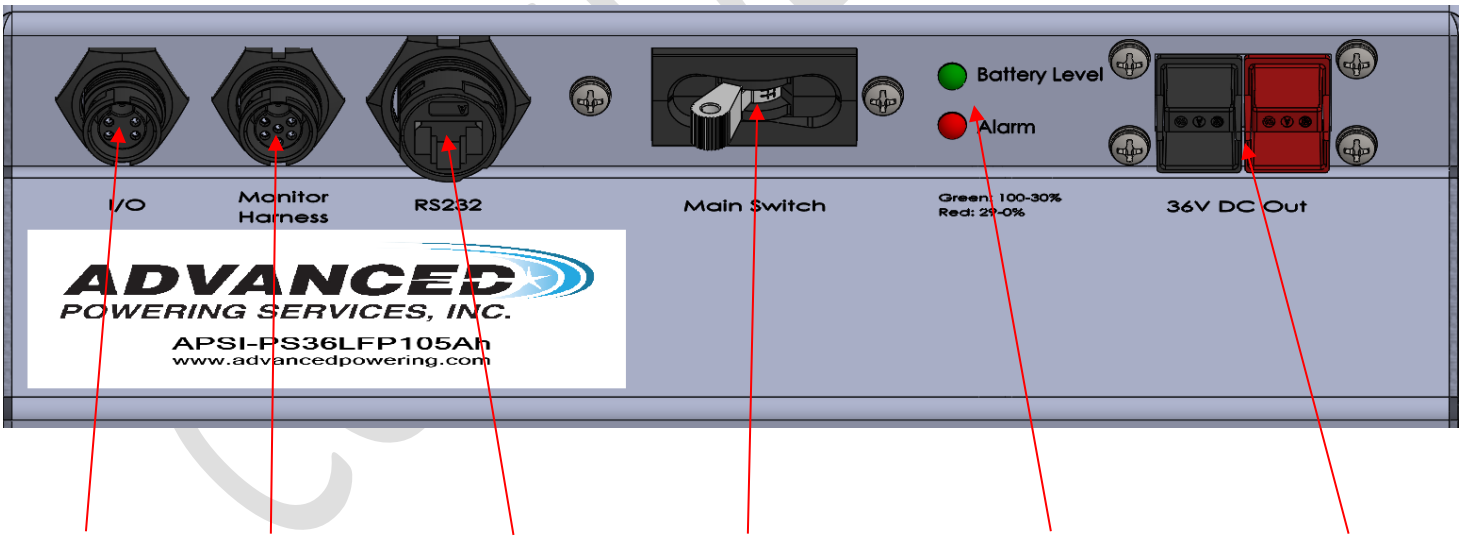
APSI-PS48LFP105AH



48 Volt Lithium LFP Battery System

- Lithium Iron Phosphate (LiFePO4)
- Simplified field installation
- Long term reliability
- Communications available
- Shelf mountable
- Built in diagnostics
- Remote monitoring
- Self-protected
- Designed for harsh environment
- Remote Asset Tracking Optional*

High-quality broadband power solution. The Lithium Iron Phosphate (LFP) architecture provides a highly scalable broadband power solution that will allow you to build and expand your network with an overall lower total cost of ownership. APSI Lithium Iron Phosphate battery systems deliver higher power and runtime with a smaller footprint. With integrated communications, the unit provides real time error detection, diagnostics with pack and cell level monitoring. Local connectivity available for technicians for rapid configuration and integration. Remote Asset Tracking as an optional accessory.*



-I/O for pack -CANBUS -Dry contact	-Battery Monitoring output for power supplies with DOCSIS Battery Monitoring	-RS232 on RJ45 connector -Local connectivity to BMS	-80 Amp Breaker -Powers down battery output and Battery Management System (BMS)	- Status light for Battery Level -Green: 100-30% -Red: 29-0% -Alarm light (Flashing when ON) -Codes accessible via software (local and CANBUS)	-Battery output -48V DC output -Anderson™ PP75 connector

Product		
Product Number	APSI-PS48LFP105AH	
Pack Parameters		
Battery Chemistry	LiFePO4	
Combination Method	16S1P	Prismatic cell type
Pack Amp Hours	100-105AH	5000 Watts
Nominal Voltage	51.2V	
Max Voltage	58.4V	
Min Voltage	35.2V	
Discharge Current	Standard ≤40A; Max ≤65A; Pulse <100A	
Charge Current	Standard ≤20A; Max ≤50A; Pulse <75A	
Working Temperature (discharge)	-20C to 60C	Will operate with reduced capacity at temperatures extremes
Working Temperature (charge) **Actual results may vary*	0C to 60C	0C-10C: continuous 10A (max) charge 10C-60C: continuous 65A (max) charge
Interface (communications)		
CANBUS High (4 pin)	Pin 1	
CANBUS Low (4 pin)	Pin 2	
Dry Contact (4 pin)	Pin 3	Software configurable (Default: Over Temperature >60)
Dry Contact Common (4 pin)	Pin 4	
Battery Monitor Interface		6 Pin connector for compatible DOCSIS transponders with cell monitoring
I/O Harness		Red (CAN H), Black (CAN L), Brown (Dry Contact), Green (Comm)
Serial Port (RS232)	RJ45	PC interface for diagnostics and BMS configuration
*Optional Accessory Asset Tracker		Provides many points of data from BMS accessible through the BMS RS232 port, plus GPS coordinates of the pack (motion detection for thief or collision sites). The data is transmitted over wireless communication and accessible through internet dashboard.
Physical		
Battery dimension (D*W*H)		13.0 x 13.35 x 9.75 In. (33.0 x 33.9 x 24.77 Cm.)
Battery Weight		78 lb. (35Kg)
Battery size		Comparable to 2 Group 31 Batteries
Typical Configuration		2 side by side in the same footprint of 4 Group 31 batteries for double runtime
Weather Protection		Protection against water sprays, IP65 rating (pending)
Warranty		10-year warranty on Lithium Iron Phosphate cells, 5-year warranty on electronics. Field replacement and installation labor included.
Certifications		UN38.5