

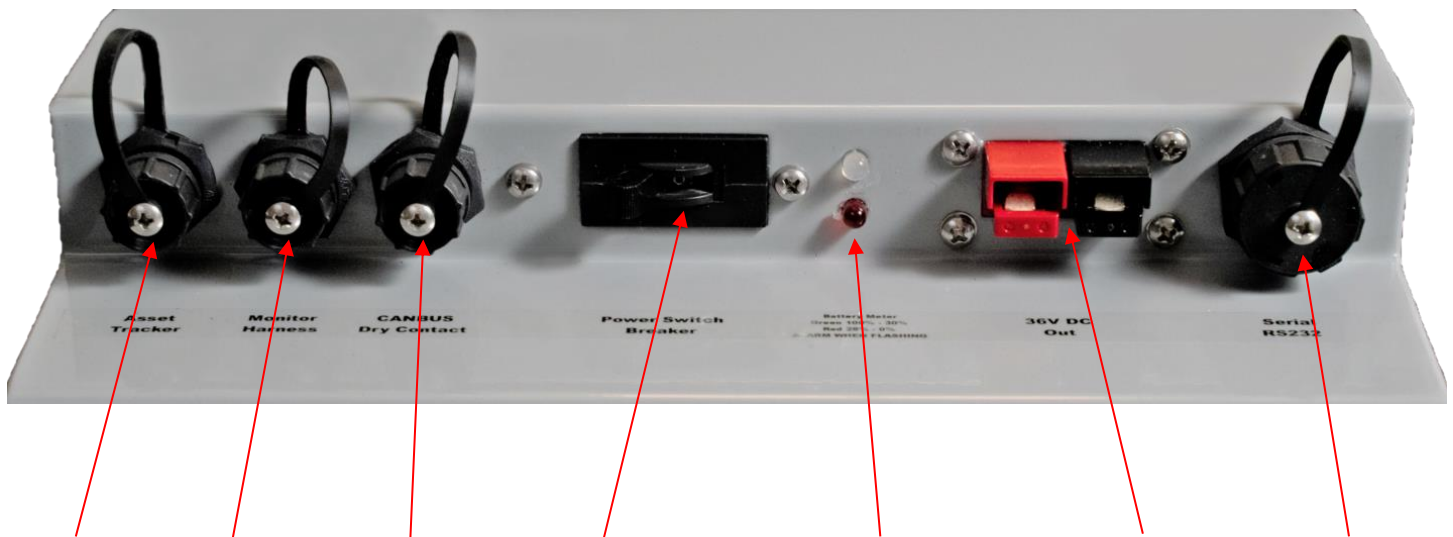
APSI-PS48LFP105AH



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 backup power system. The Lithium Iron Phosphate (LFP) architecture provides a highly scalable backup power system that will allow you to build and expand your network with an overall lower total cost of ownership. APSI Lithium Iron Phosphate (LFP) battery systems deliver consistent power and a longer runtime than lead acid batteries 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 Monitoring as an optional accessory.*



-Optional Asset Monitoring interface port	- Battery Monitoring output for UPS power supplies with DOCSIS Transponders	-CANBUS -Dry contact	-DC Breaker -Powers down battery output and Battery Management System (BMS)	-Battery Level Meter -Green: 100-30% -Red: 29-0% -Alarm light flashing red when in alarm -Alarm codes accessible via BMS utility (Local Port or CANBUS)	-48V DC Battery output/input -Anderson™ PP75 connector	-BMS Serial RS232 on RJ45 connector -Local BMS interface port (Not for remote monitoring)
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Product

Product Number APSI-PS48LFP105AH

Pack Parameters

Battery Chemistry	LiFePO4	
Combination Method	16S1P	Prismatic cells
Pack Amp Hours	100-105AH	5100 Wh
Nominal Voltage	51.2V	
Max Voltage	60.0V	
Min Voltage	36.0V	
Discharge Current	Standard ≤40A; Max ≤65A; Pulse <100A	
Charge Current	Standard ≤40A; Max ≤65A; Pulse <100A	
Working Temperature (discharge)	-20C to 60C	Will operate with reduced capacity at temperatures extremes
Working Temperature (charge) <i>*Actual results may vary</i>	0C to 60C	0C-10C: continuous 10A (max) charge 10C-60C: continuous 65A (max) charge

Pack Interface

Battery Monitor interface	6 pin	6 Pin connector for compatible DOCSIS transponders with cell monitoring (Optional harness available separately)
BMS Serial RS232 interface	RJ45	PC interface for diagnostics and configuration via BMS utility Software (PC cable available separately)
I/O interface	4 pin	Red (CAN H), Black (CAN L), Brown (Dry Contact), Green (Comm) (Optional cable available separately)
I/O CANBUS Low	Pin 1	
I/O CANBUS High	Pin 2	
I/O Dry Contact	Pin 3	Software configurable
I/O Dry Contact Common	Pin 4	
Asset Monitor Interface		8 Pin connector for connectivity with our Asset Monitor (Optional harness available separately)
*Optional Accessory Asset Monitor		Reads various information from the battery such as SOC, alarms, plus GPS coordinates of the asset. 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, (IP55 rating pending)	
Warranty	Limited warranty on lithium cells and electronics	
Certifications	UN38.5	