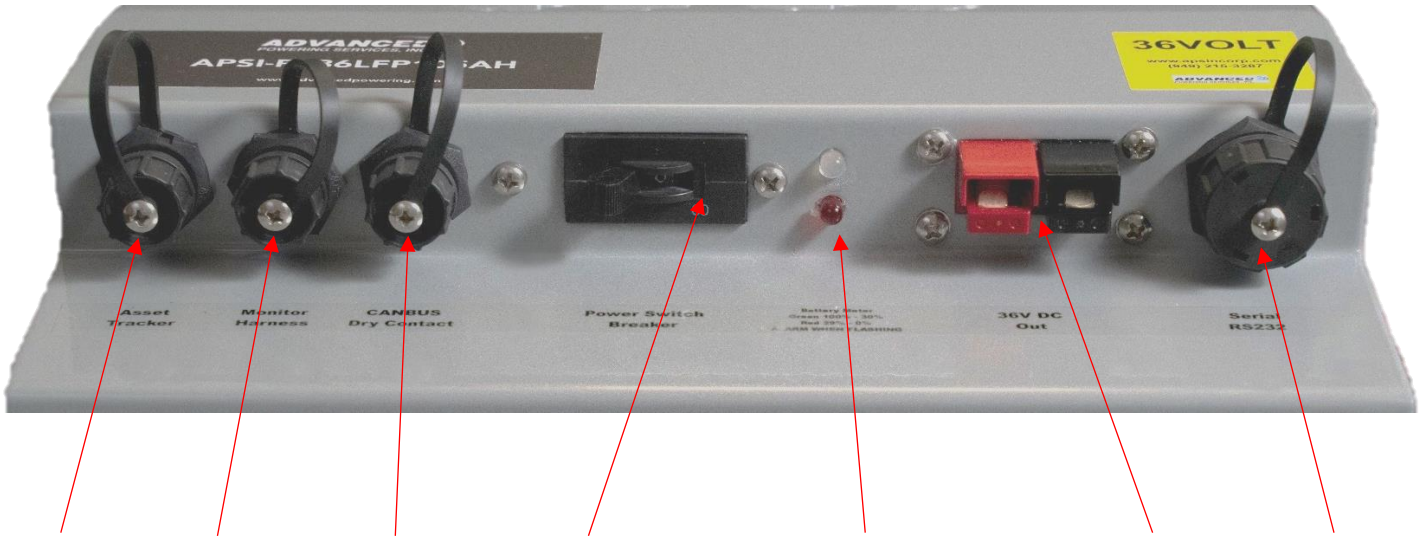
# APSI-PS36LFP105AH


## 36 Volt Lithium LFP Battery for HFC Plant

- 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.*

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| -Optional Asset Tracker interface port | - Battery Monitoring output for power supplies with DOCSIS Battery Monitoring | -CANBUS<br>-Dry contact | -DC Breaker<br>-Powers down battery output and Battery Management System (BMS) | -Status light for Battery Level<br>-Green: 100-30%<br>-Red: 29-0%<br>-Alarm light Flashing when in alarm<br>-Alarm codes accessible via BMS utility (Local Port and CANBUS) | -36V DC Battery output/input<br>-Anderson™ PP75 connector | -Serial RS232 on RJ45 connector<br>-Local BMS interface port |

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| **Product** | | |
| Product Number | APSI-PS36LFP105AH | |
| **Pack Parameters** | | |
| Battery Chemistry | LiFePO4 | |
| Combination Method | 12S1P | Prismatic cell type |
| Pack Amp Hours | 100-105AH | 3800 Watts |
| Nominal Voltage | 38.4V | |
| Max Voltage | 44.4V | |
| Min Voltage | 27.6V | |
| 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)<br>**Actual results may vary* | 0C to 60C | 0C-10C: continuous 10A (max) charge<br>10C-60C: continuous 65A (max) charge |
| **Interface (communications)** | | |
| 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 configuration via BMS utility (PC Cable available separately) |
| CANBUS Low (4 pin) | Pin 1 | |
| CANBUS High (4 pin) | Pin 2 | |
| Dry Contact (4 pin) | Pin 3 | Software configurable (Default: Over Temperature >60) |
| Dry Contact Common (4 pin) | Pin 4 | |
| Asset Tracker Interface | | 8 Pin connector for connectivity with our Asset Tracker |
| *Optional Accessory<br>Asset Tracker | | Provides points of data from battery, 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 10.375 x 9.75 In. (33.0 x 26.36 x 24.77 Cm.) |
| Battery Weight | | 60 lb. (27Kg) |
| Battery size | | Comparable to 1-1/2 Group 31 Batteries |
| Typical Configuration | | 2 side by side in the same footprint of 3 Group 31 batteries for double runtime |
| Weather Protection | | Protection against water sprays, (IP55 rating pending) |
| Warranty | | 10-year limited warranty on Lithium cells, 4-year limited warranty on electronics. |
| Certifications | | UN38.5 |