

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 Monitoring as an optional accessory.*



-Optional	- Battery	-CANBUS	-DC Breaker	-Battery Level Meter	-36V DC Battery	-BMS Serial
Asset	Monitoring	-Dry contact	-Powers down	-Green: 100-30%	output/input	RS232 on
Monitoring	output for		battery output	-Red: 29-0%	-Anderson™	RJ45
interface	UPS power		and Battery	-Alarm light flashing red	PP75 connector	connector
port	supplies with		Management	when in alarm		-Local BMS
	DOCSIS		System (BMS)	-Alarm codes accessible		interface port
	Transponders			via BMS utility (Local		(Not for
				Port or CANBUS)		remote
						monitoring)



Product Number APSI-P336LFP105AH Pack Parameters Battery Chemistry LiFePO4 Combination Method 12S1P Prismatic cell type Pack Amp Hours 100-105AH 3800 Wh Nominal Voltage 38.4 V Max Voltage 45.0 V Min Voltage 27.0 V Discharge Current Standard ≤40-x; Max ≤65A; Pulse <100A	Product				
Battery Chemistry LiFePO4 Combination Method 1281P Prismatic cell type Pack Amp Hours 100-105AH 3800 Wh Nominal Voltage 38.4V — Max Voltage 45.0V — Min Voltage 27.0V — Discharge Current Standard \$40A; Max \$65A; Pulse <100A	Product Number	APSI-PS36LFP105AH			
Combination Method 12S1P Prismatic cell type Pack Amp Hours 100-105AH 3800 Wh Nominal Voltage 38.4V Max Voltage 45.0V Min Voltage 27.0V Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A	Pack Parameters				
Pack Amp Hours 100-105AH 3800 Wh Nominal Voltage 38.4V Max Voltage 45.0V Min Voltage 27.0V Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A	Battery Chemistry	LiFePO4			
Nominal Voltage 38.4V Max Voltage 45.0V Min Voltage 27.0V Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A	Combination Method	12S1P	Prismatic cell type		
Max Voltage 45.0V Min Voltage 27.0V Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A	Pack Amp Hours	100-105AH	3800 Wh		
Min Voltage 27.0V Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A	Nominal Voltage	38.4V			
Discharge Current Standard ≤40A; Max ≤65A; Pulse <100A Charge Current Standard ≤40A; Max ≤65A; Pulse <100A Working Temperature (discharge) Vorking Temperature (charge) Vorking Temperature (charge) Vacual results may vary Pack Interface Battery Monitor	Max Voltage	45.0V			
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) 0C to 60C 0C-10C: continuous 10A (max) charge "Actual results may vary 0C to 60C 0C-10C: continuous 65A (max) charge Pack Interface 8 Por 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 ANBUS Low Pin 1 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 Weight 13.0 x 10.375 x 9.75 In. (33.0 x 26.36 x 24.77 Cm.) Battery Siz	Min Voltage	27.0V			
Working Temperature (discharge) Working Temperature (charge) *Actual results may vary **Actual results may vary **Decident resul	Discharge Current	Standard ≤40A; Max ≤65A; Pulse <100A			
Working Temperature (charge) *Actual results may vary Pack Interface Battery Monitor Interface A pin Battery Monitor Interface Battery Monitor Coptional Accessory Asset Monitor Battery Monitor Physical Battery Monitor Battery Weight Battery Weight Battery Size Comparable to 1-1/2 Group 31 Batteries Typical Configuration Weather Protection Protection against water sprays, (IP55 rating pending) Limited warranty on lithium cells and electronics.	Charge Current	Standard ≤40A; Max ≤65A; Pulse <100A			
Pack Interface Battery Monitor interface 6 pin 6 Pin connector for compatible DOCSIS transponders with cell monitoring (Optional harness 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 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) Pen 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) Physical Battery dimension (D*W*H) 13.0 x 10.375 x 9.75 ln. (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 Protection Protection against water sprays, (IP55 rating pending) Warranty Limited warranty on lithium cells and electronics.	Working Temperature (discharge)	-20C to 60C	Will operate with reduced capacity at temperatures extremes		
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 *Optional Accessory Asset Monitor *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 Utilitied warranty on lithium cells and electronics.		0C to 60C			
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 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 10.375 x 9.75 ln. (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 Initiated warranty on lithium cells and electronics.	Pack Interface				
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 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 10.375 x 9.75 ln. (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) Limited warranty on lithium cells and electronics.	Battery Monitor interface	6 pin			
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 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 10.375 x 9.75 ln. (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 Limited warranty on lithium cells and electronics.	BMS Serial RS232 interface	RJ45			
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 10.375 x 9.75 ln. (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 Limited warranty on lithium cells and electronics.	I/O interface	4 pin			
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 Physical Battery dimension (D*W*H) Battery Weight Battery size Comparable to 1-1/2 Group 31 Batteries Typical Configuration Veather Protection Protection against water sprays, (IP55 rating pending) Warranty Limited warranty on lithium cells and electronics.	I/O CANBUS Low	Pin 1			
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 10.375 x 9.75 ln. (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 Limited warranty on lithium cells and electronics.	I/O CANBUS High	Pin 2			
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 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 Limited warranty on lithium cells and electronics.	I/O Dry Contact	Pin 3	Software configurable		
*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 10.375 x 9.75 ln. (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 Limited warranty on lithium cells and electronics.	I/O Dry Contact Common	Pin 4			
Asset Monitor 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 10.375 x 9.75 ln. (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 Limited warranty on lithium cells and electronics.	Asset Monitor Interface		•		
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) 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 Limited warranty on lithium cells and electronics.			plus GPS coordinates of the asset. The data is transmitted over wireless communication and accessible through internet		
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 Limited warranty on lithium cells and electronics.	Physical				
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 Limited warranty on lithium cells and electronics.	Battery dimension (D*W*H)		13.0 x 10.375 x 9.75 ln. (33.0 x 26.36 x 24.77 Cm.)		
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 Limited warranty on lithium cells and electronics.	Battery Weight		60 lb. (27Kg)		
Weather Protection Protection against water sprays, (IP55 rating pending) Warranty Limited warranty on lithium cells and electronics.	Battery size		Comparable to 1-1/2 Group 31 Batteries		
Warranty Limited warranty on lithium cells and electronics.	Typical Configuration				
·	Weather Protection		Protection against water sprays, (IP55 rating pending)		
Certifications UN38.5	Warranty		Limited warranty on lithium cells and electronics.		
	Certifications		UN38.5		