

LithoDyne APS5000 (LFP)



LithoDyne APS5000 lithium-ion batteries are CEC listed and proven to be easy to install and compatible with any quality inverter.

The batteries can operate with OR without communications with an inverter. Bluetooth dongle allows cell level inspection and identifies a module with an error.

They have been designed for use in the harshest conditions for off-grid and grid connected cyclic applications.

Keeping the design simple, they are extremely durable.

Features:



Application:



Technical Specifications

	Item	Parameters	Note
Series Characteristics	Battery Cell Technology	Lithium Iron Phosphate	
Electrical Specifications	Cycle Life	≥6000	@25°C80%DoD @25°C60%EOL
	Design Life	15+years	@25°C
	Discharge Voltage	46.4V~47V	
	Charge Voltage	56V~57V	
	Standard Charge Current	20A	0.2C
	Max. Continuous Charge/Discharge Current	100A	1C
	Peak Charge/Discharge Current	101~120A	@15min
	Peak Charge/Discharge Current	121~200A	@10s
	Communication	RS485, CAN,RS232	
	Nominal Capacity	100Ah	
	Nominal Voltage	51.2V	
	Charge & Discharge Efficiency Discharge	>98%	0.5C Charge;1C
	Self-discharge/month	≤3%	50% SOC
	Enclosure Protection Rating	IP20	
	Working Temperature Discharge	-20°C~50°C	
	Working Temperature Charge	0°C~60°C	
	Working Temperature Storage	-5°C~45°C	
	Humidity	5%~95%(RH)	No Condensation
Phyiscal Specifications	Dimension	442*470*133(mm)	
	Weight	44kg± 1kg	
Certifications	Certifications,Standards Compliance and Registration	UN38.3/IEC 62619 IEC62040/CE/MSDS/CEC	

