

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:



LIGHT WEIGHT



MATCH TOP
INVERTER



FLOOR
MOUNTED



100%
USEABLE
CAPACITY



REBATE
FRIENDLY



CEC
LISTED

Application:



Solar Battery
System



Emergency Back up



Off-Grid



On-Grid

Technical Specifications

Item	Specifications	Note
Battery Cell Technology	Lithium Iron Phosphate	
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
Dimensions	442*470*133mm	
Weight	44kg±1kg	
Certifications, Standards Compliance and Registration	UN38.3/IEC 62619 IEC62040/CE/MSDS/CEC	