

Voltage: 25.6V | Capacity: 100 Ah | Energy: 2560 Wh

LITHIUM IRON PHOSPHATE BATTERY | LIFEPO4

ELECTRICAL SPECIFICATIONS

Nominal Voltage	25.6V
Nominal Capacity	100 Ah
Capacity @ 20A	300 min
Resistance	≤35 mΩ @ 50% SOC
Efficiency	99%
Self Discharge	<3% per Month
Cycle Life	2000 times DOD100% (0.5C)
Maximum Modules in Series	1 (single use)

DISCHARGE SPECIFICATIONS

Maximum Continuous Discharge Current	75 A
Peak Discharge Current	90 A (10 s)
BMS Discharge Current Cut-Off	225 A (2 s)
Recommended Low Voltage Disconnect	21.6 V
BMS Discharge Voltage Cut-Off	20 V (2.5 ±0.05 v) (2 s)
Reconnect Voltage	21.6 V (2.7 ±0.1 v)
Short Circuit Protection	200-600 μs

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-4 to 140 °F (-20 to 60 °C)
Charge Temperature	32 to 131 °F (0 to 55 °C)
Storage Temperature	14 to 113 °F (-10 to 45°C)
BMS High Temperature Cut-Off	167 °F (75 °C)
Reconnect Temperature	149°F (65 °C)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H)	22.83 x 13.58 x 9.05 inch 580 x 345 x 230 mm
Weight	61.7 lbs (28 kg)
Terminal Type	Anderson
Case Material	ABS
Enclosure Protection	IP30
Cell Type	LiFePO4

TEMPERATURE SPECIFICATIONS

Certifications	UN38.3 (cells) UL1642 (cells)
Shipping Classification	UN 3480, CLASS 9

CHARGE SPECIFICATIONS

Recommended Charge Current	20 A
Maximum Charge Current	75 A
Recommended Charge Voltage	28.4 V – 29.2 V
BMS Charge Voltage Cut-Off	30 V (3.75 ±0.005 vpc) (2 s)
Reconnect Voltage	28.8 V (3.6 ±0.05 v)
Balancing Voltage	27.2 V (3.4 ±0.05 v)

INPUT& OUTPUT

DC charger	DC 28.4-29.2V
Solar Input (SAE)	<55V 20A Max
AC Output Voltage	AC 120V 60HZ
AC Output Power	1500W Max
AC Output Peak Power	3000W
USB-A	QC3.0 *2
USB-C	Type-C *2
Car port	12V 10A Max *1
DC Output/Input	Anderson 50A
DC in Parallel	Anderson 50A

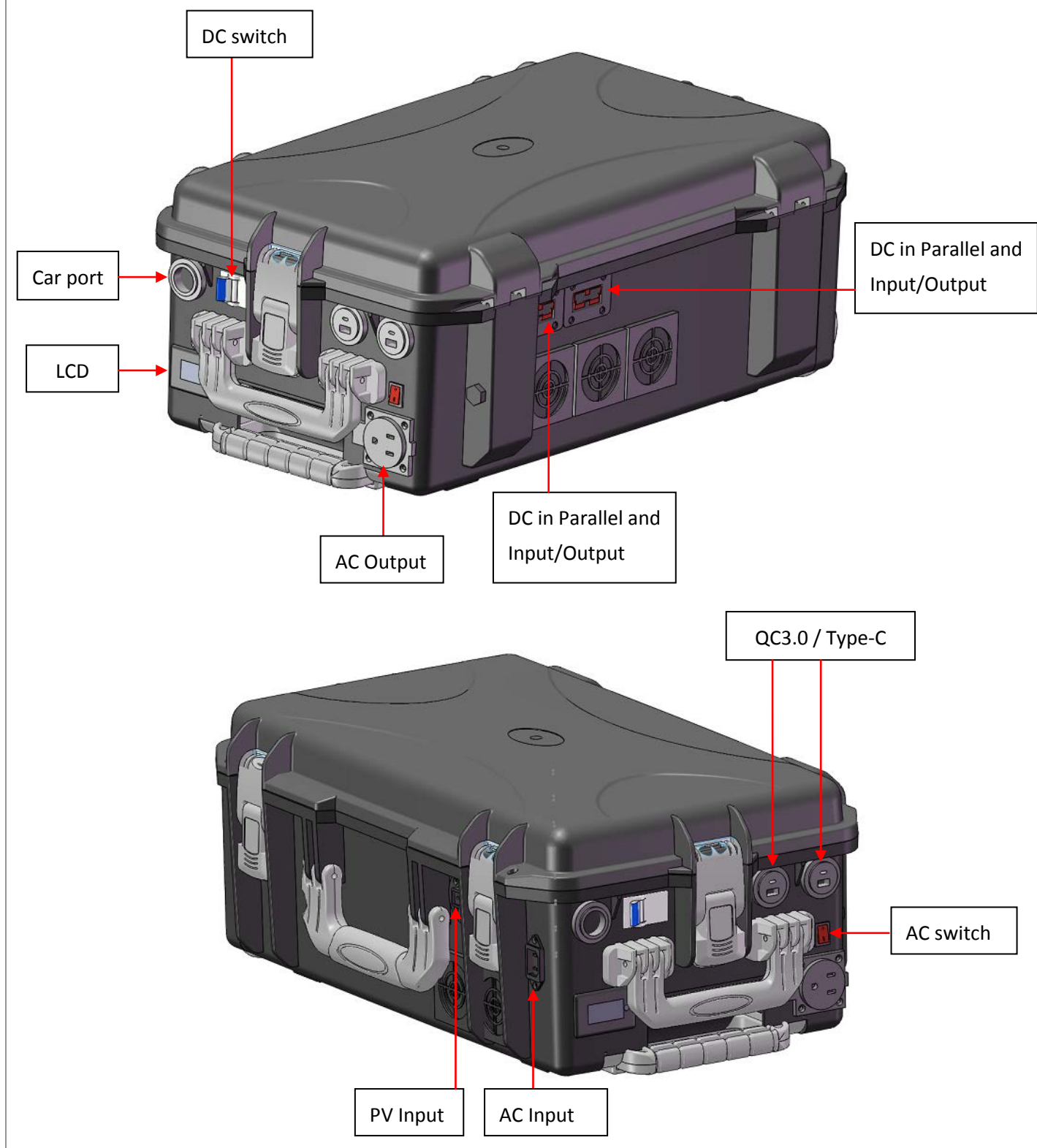
DIMENSIONAL SPECIFICATIONS



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PERFORMANCE CHARACTERISTICS

