



Cenerius 48V 100Ah Lithium LiFePO4 Deep Cycle Battery

ELECTRICAL PERFORMANCE

Nominal Voltage	48V
Capacity	100 Ah, 5120Wh
Life Cycles	5.000 @80% DOD
BMS Board	Yes (Internal)
BMS Rating	100A BMS
Low Temp Cut Off Protection	Yes

MECHANICAL PERFORMANCE

Cell Type	Grade A LiFePO4 Cells (Prismatic Cell)
Number of Cells	16
Terminal	M8*16mm(L)
Weight	81.57 lbs (37kg)
Dimensions	20.47" (L) x 10.59" (W) x 8.66" (H) (520x269x220mm)
Waterproof Rating	IP65

CHARGE PERFORMANCE

Standard Charge Current	50A
Max Charge Current	100A
Max Continuous Charge Current	50A
Recommended Charge Voltage	58.4V
Maximum Batteries in Series	1
Maximum Batteries in Parallel	10
Maximum Configuration	1S10P

DISCHARGE PERFORMANCE

Max Discharge Current	100A
Max Continuous Discharge Current	100A
Recommended Discharge Voltage	53.6V-54.4V
Max Depth of Discharge (DoD)	100%
Max Load/Inverter Power	5120W
Peak discharge current	500A(less than 3 seconds)
Bluetooth Function	Yes



TEMPERATURE PERFORMANCE

Operating Temperature (Charge)	0-50°C((32°F - 122°F)
Operating Temperature(Discharge)	-20-60°C(-4°F - 140°F)
Operating Temperature(Storage)	-10-50°C(14°F - 122°F)

COMPLIANCE

Certifications CE, RoHs, PSE, WEEE
 Cenerius deep cycle battery is not designed as a starter battery
 Starting engine is not covered under the warranty