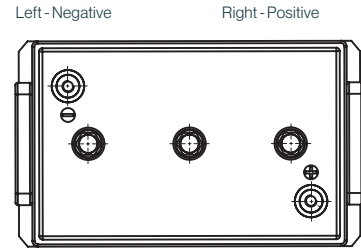
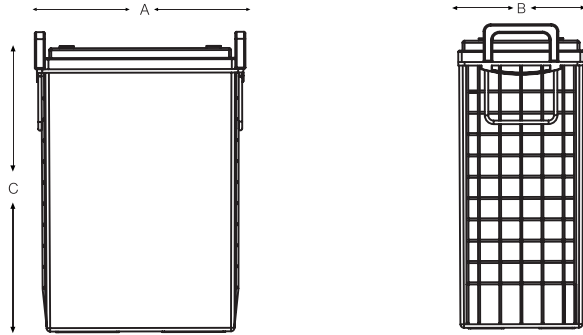


EQ-L16

Carbon Nano Gel Bloc



Electrical Specifications

Voltage	6V
M.R.C. 25 Amps	750
80% DOD Voltage Cutoff	5.6V
Low Voltage Cutoff	5.4V
Self Discharge	Less than 3% per month (20°C/68°F)
Charge Temperature	Min: -10°C (14°F) / Max: 50°C (122°F)
Discharge Temperature**	Min: -40°C (-40°F) / Max: 50°C (122°F)
Storage	Min: -20°C (-4°F) / Max: 60°C (140°F)

Cell Type Ue (100%) / VPC Ref Temp	C5 1.70 25°C	C10 1.75 25°C	C20 1.75 25°C	C100 1.80 25°C
EQ-L16	290	311	331	361

** CAUTION: Depths of discharge, operating voltages and currents, when designing systems for use at maximum temperatures, will vary.

Mechanical Specifications

Industry Reference	L16	
Length (A)	11.9 in	302 mm
Width (B)	7.0 in	178 mm
Height (C)	15.9 in	405 mm
Weight	118 lbs	53.4 kgs
Terminal (Opt'l)	M10	
Cell(s)	3	
Electrolyte	Gel	
Terminal Torque Nm	16	

NOTE: There is a tolerance of +/-2%.

Terminal Options Available:

- M10
- A-Pole
- Dual
- Stud

Features

- Maintenance free - no topping up required
- Ultra energy efficient due to low resistance
- Reduced operating temperatures for increased cycle life (up to 1000 cycles) and battery lifetime
- Cost savings due to increased efficiency
- Up to 2 x faster recharge
- Increased design life from 12 to 15 years
- Allows for opportunity charging to give you those extra running times when required
- Suitable for extreme temperature variants

Applications: all motive, leisure & solar:

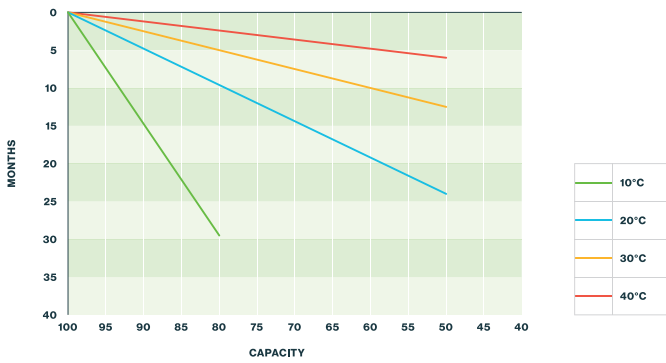
- Electric vehicles, including cleaning machines
- Wheelchairs
- Electric Working Platforms
- UPS Systems
- Traffic Systems
- Telecommunications & Emergency Lighting
- Caravans / Motorhomes RV's & Maritime
- Solar & Renewable Energy & Home Invertor

Charging profile

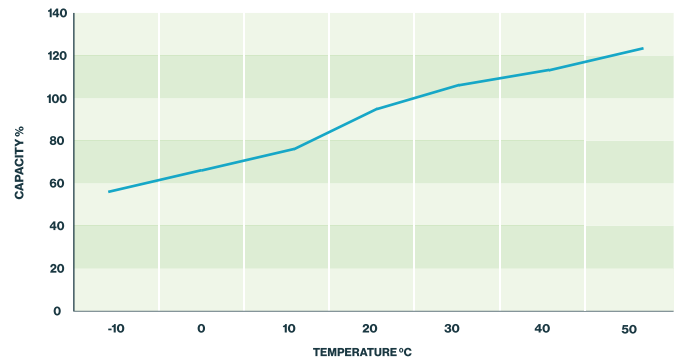
IU Charging I = min. 12% C₅ max. 30% C₅
U = 2.4 V per cell

IUI Charging I₁ = min. 12% C₅ max. 40% C₅
U = 2.35 V per cell
I₂ = 1.5% C₅ for max. 4 hours

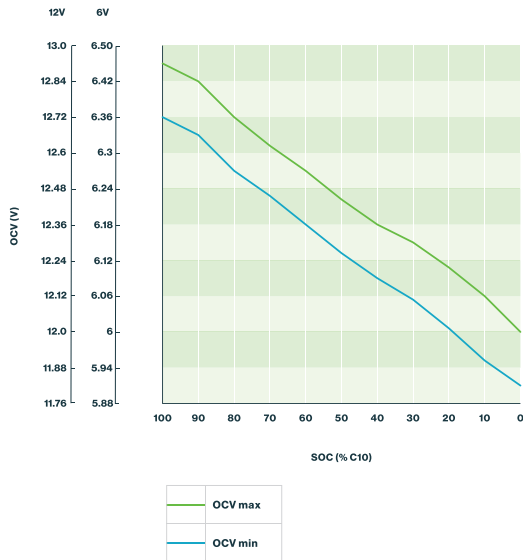
Self discharge at different temperatures



Capacity vs. temperature



Storage: Determine the state of charge



Relation between charging, voltage and temperature

