

SC 100 SEMI CYCLE BATTERY

12V | 100Ah | 600h



Electrical Specifications

Nominal voltage	12V
Rated capacity	100Ah @ C ₁₀₀
Separator	PE
CCA at -18 °C	600A
Cycle Life in Relation to Depth of Discharge	600 Cycles at 30 % DoD
	360 Cycles at 50 % DoD
	250 Cycles at 80 % DoD
	170 Cycles at 100 % DoD

Discharge Specifications

Capacity C ₁₀₀	100Ah
Capacity C ₂₀	90Ah
Capacity C ₁₀	81Ah
Capacity C ₅	67Ah
Max. Discharge Current	800A (5 Seconds)

Charge Specifications

Maximum Charge Current	30A
Float Charge Voltage	2.23V to 2.25V @ 25°C Temp. Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.23V to 2.25V @ 25°C Temp. Compensation: -3mV/°C/Cell

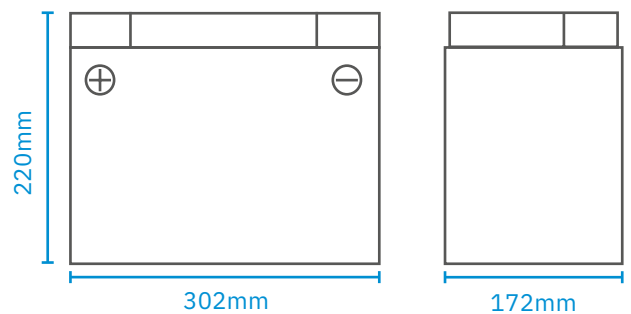
Mechanical Specifications

Measurements (L × W × H)	302 × 172 × 220mm
Approx. Weight	22,50kg
Terminal Type	Marine Twin
Hold-Down	B1
Case Material	PP
Lid Material	PP
Water consumption	W4
Charge Retention	C2
Vibration Resistance	V2
Endurance Level	E1

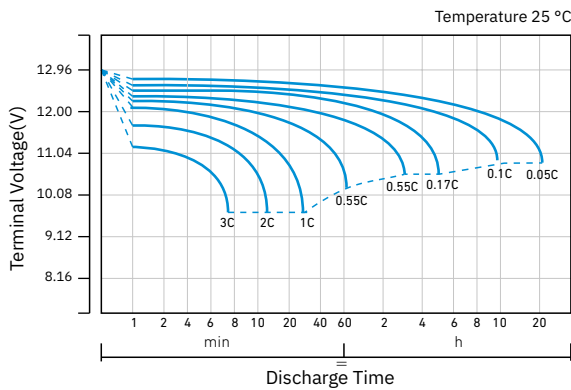
Temperature Specifications

Discharge Temperature	-15 to 50°C
Charge Temperature	0 to 40°C
Storage Temperature	-15 to 50°C
Normal Operating Temperature	25 ± 5°C

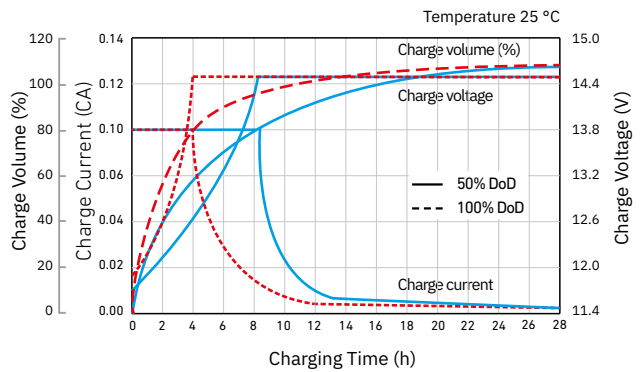
Measurements



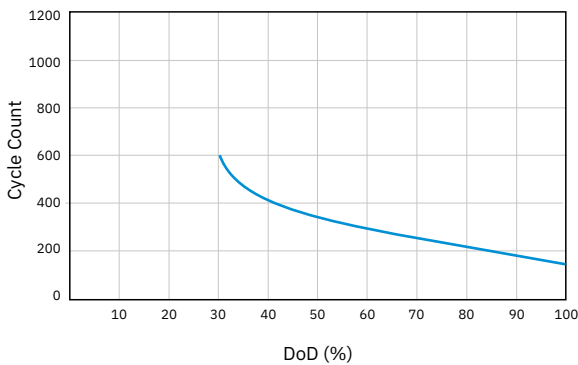
Discharge Characteristics Curve



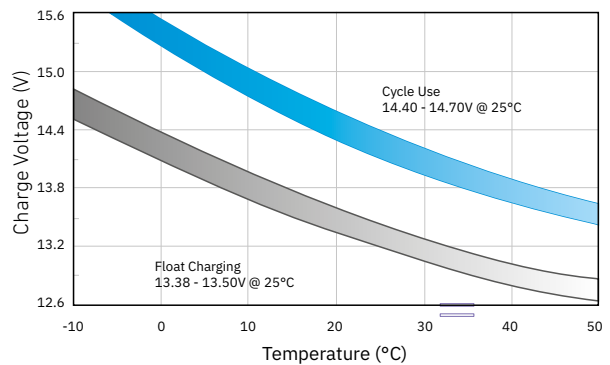
Charge Characteristics Curve For Cycle Use (IU)



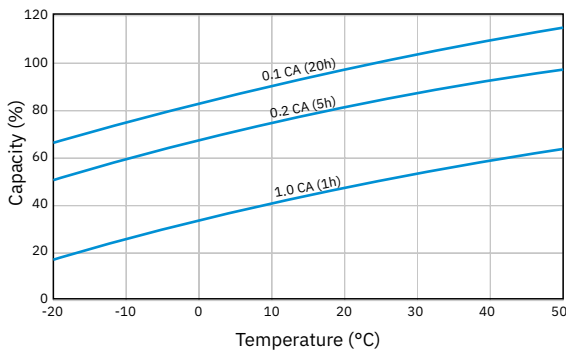
Relationship of Cycle Life and DoD



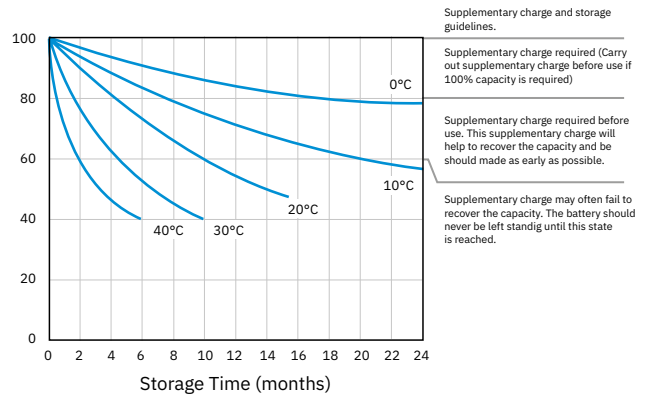
Relationship of Charge Voltage and Temperature



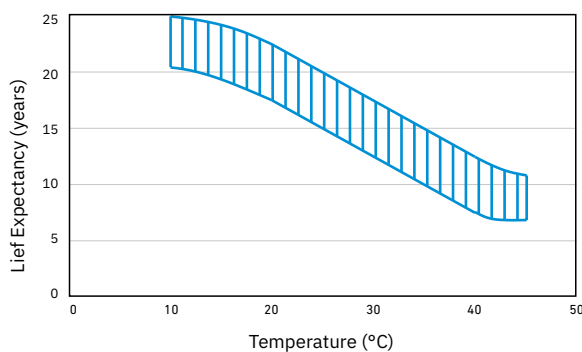
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long-Term Life



Relationship of OCV and State of Charge

