

DC 70

GEL DEEP CYCLE
12 V | 70 Ah | 100 h



Electrical Specifications

Nominal voltage	12V
Nominal capacity	70Ah (C ₁₀₀)
Number of cycles	1250 (30% DOD)
	750 (50% DOD)
	450 (80% DOD)
	300 (100% DOD)
Self discharge	Monthly rate < 3% at 25°C Recharge after 6 months Charge before using

Mechanical Specifications

Measurements (L x W x H)	278 x 175 x 190mm
Approx. Weight	21.4kg
Case Material	A.B.S. UL94-HB
Lid Material	A.B.S. UL94-HB

Discharge Specifications

Capacity C ₁₀₀	70Ah
Capacity C ₂₀	61Ah
Capacity C ₁₀	55Ah
Capacity C ₅	48Ah
Max. Discharge Current	618A (5s)

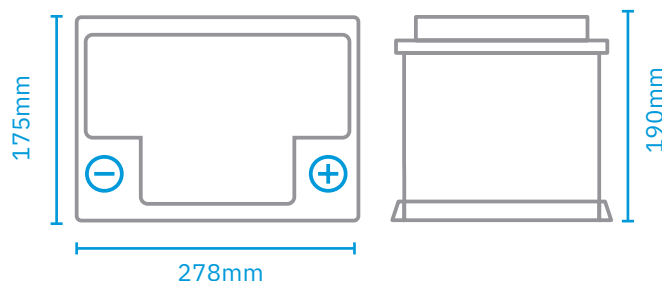
Temperature Specifications

Normal Operating Temperature	25°C ± 5°C
Discharge Temperature	-40°C to 60°C
Charge Temperature	-20°C to 50°C
Storage Temperature	-40°C to 60°C

Charge Specifications

Max. Charge Current	12A
Float Charge Voltage	13.6 V to 13.8 V at 25°C Temp. Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2 V to 14.4 V at 25°C Temp. Compensation: -4mV/°C/Cell

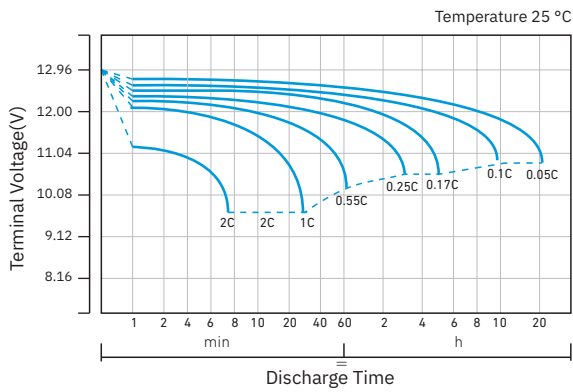
Measurements



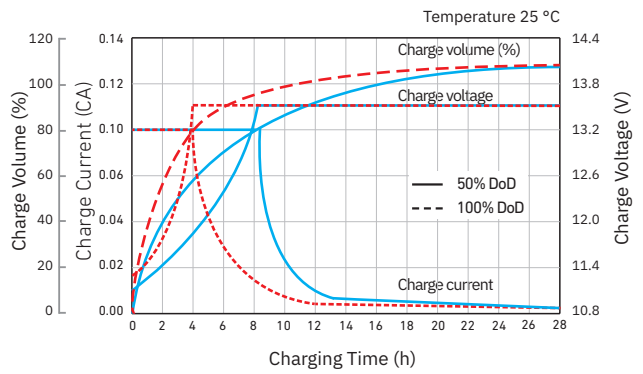
Standards

Material number	UN 2800 ADR 598
DIN/E norms	IEC 61056, IEC 61427, IEC 60896

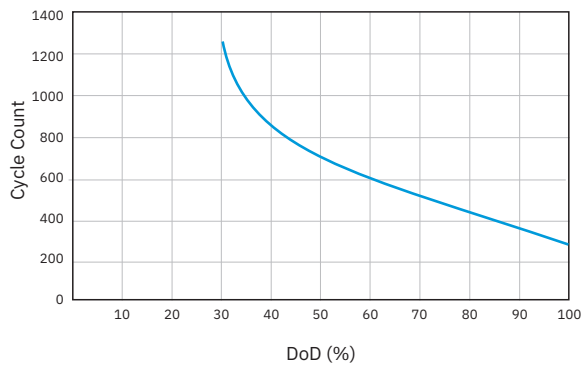
Discharge Characteristics Curve



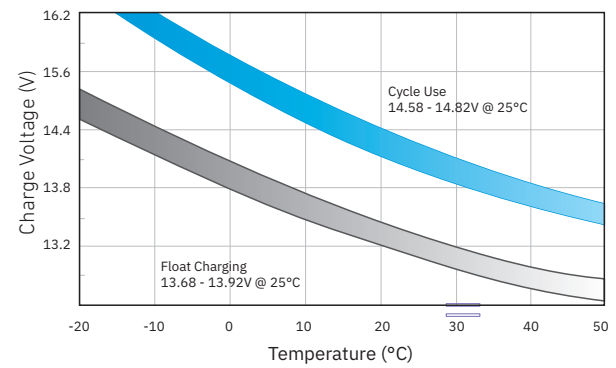
Charge Characteristics Curve For Cycle Use (IU)



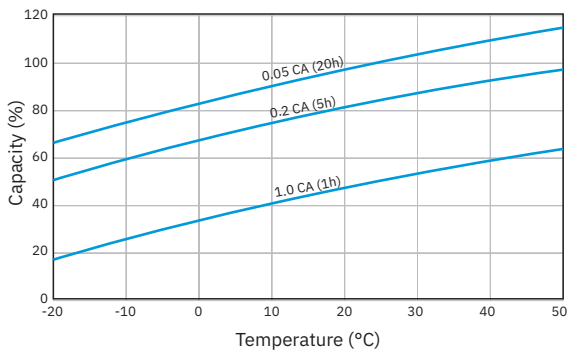
Relationship of Cycle Life and DoD



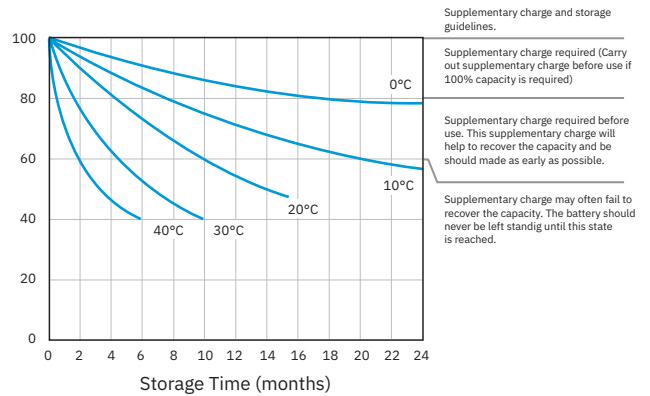
Relationship of Charge Voltage and Temperature



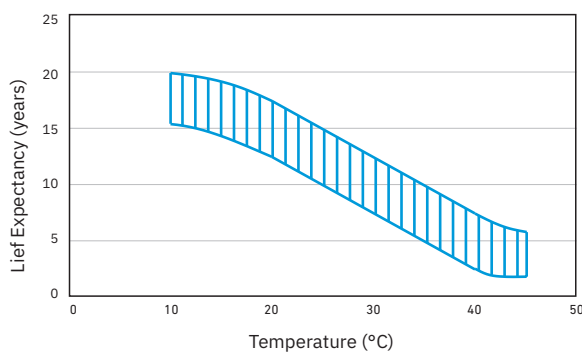
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long-Term Life



Relationship of OCV and State of Charge

