



T90 SMF

90Ah | 12V | 100h

Specifications

Voltage	12V
Capacity	90Ah at C ₁₀₀
Separator	PE
Cycle life in relation to depth of discharge	750 cycles at 30% DoD
	400 cycles at 50% DoD
	280 cycles at 80% DoD
	180 cycles at 100% DoD

Charging and Discharging

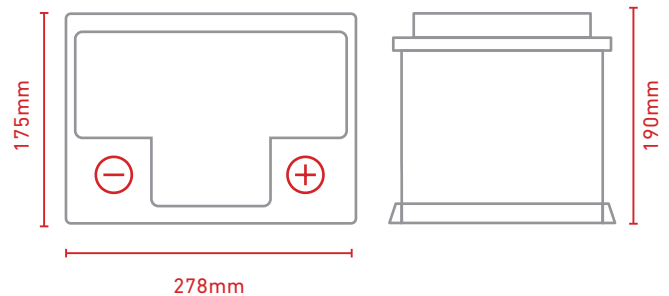
Capacity C ₁₀₀	90Ah
Capacity C ₂₀	80Ah
Capacity C ₁₀	75Ah
Capacity C ₅	60Ah
Max. charge current	16A
Max. discharge current	794A (5s)

Mechanical Specifications

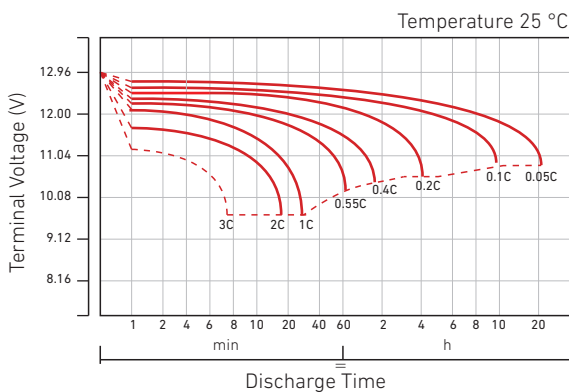
Measurements (L × B × H)	278 × 175 × 190mm
Weight	18.6kg
Terminal type	Round
Case material	PP
Lid material	PP

Temperature Specifications

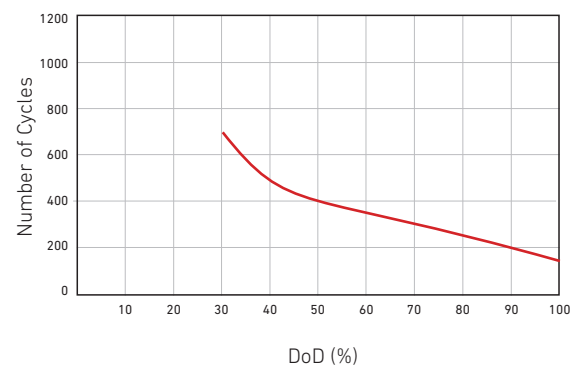
Normal operating temperature	25°C ± 5°C
Discharge temperature	-15°C to 50°C
Charge temperature	0°C to 40°C
Storage temperature	-15°C to 50°C



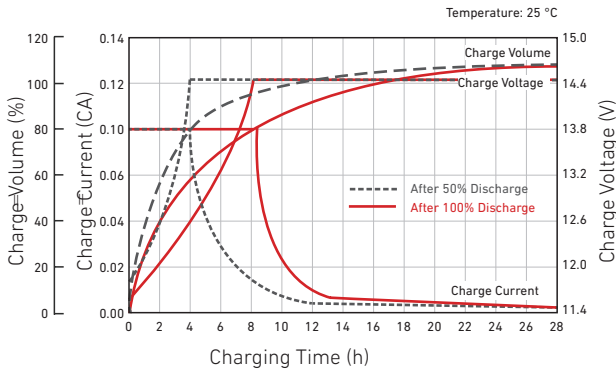
Discharge Characteristics Curve



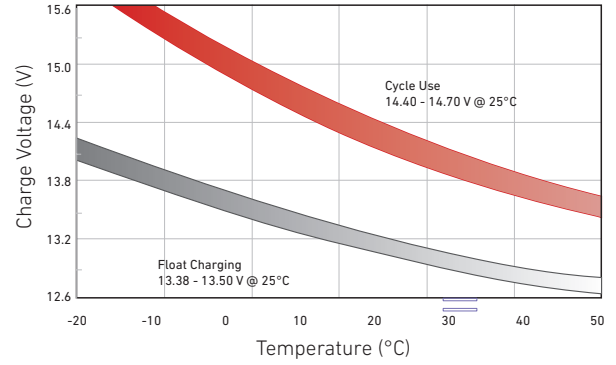
Cycle Life in Relation to Depth of Discharge



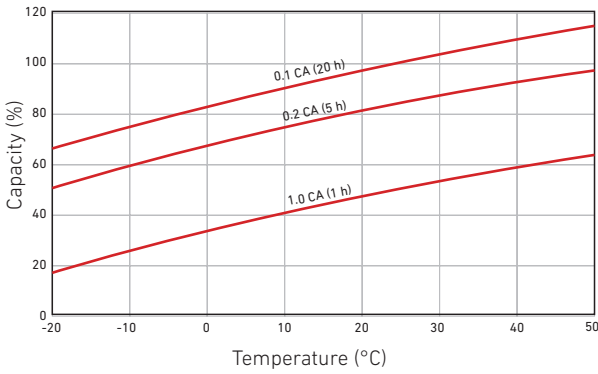
Charge Characteristics Curve For Cycle Use (IU)



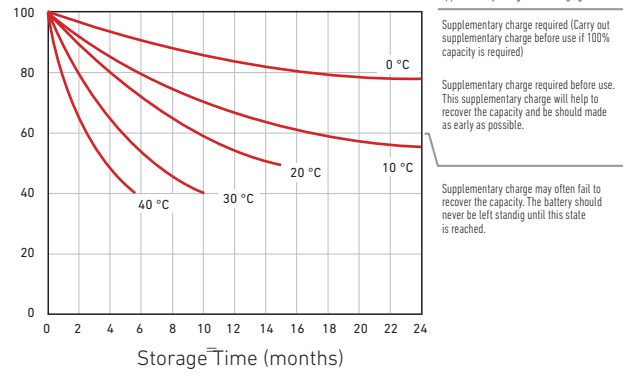
Relationship Between Charging Voltage and Temperature



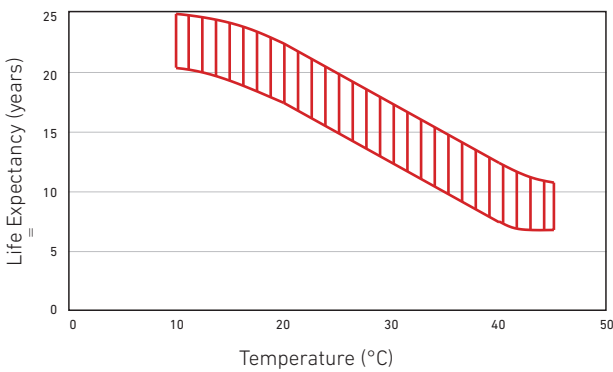
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long-Term Life



Relationship of OCV and State of Charge

