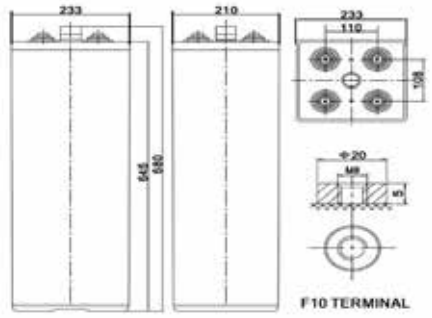
UC-STG2V-1000 Battery

Emergency Back-Up | Cottage | Commercial/ Industrial

DIMENSIONS

Length	233 ± 2 mm (9.17 inches)
Width	210 ± 2 mm (8.27 inches)
Height	645 ± 2 mm (25.4 inches)
Total Height	680 ± 2 mm (26.8 inches)
Torque Value	10 ~ 12 Nm



ULTRA CYCLE™

SPECIFICATIONS:

Cells Per Unit	1
Voltage Per Unit	2V
Nominal Capacity	1000Ah @ 10h-rate to 1.80V per cell @ 25°C
Weight	Approx. 73.5 Kg (162.0 lbs) (Tolerance ± 3.0%)
Internal Resistance	Approx. 0.50 mΩ
Terminal	F10 (M8) 3/8-16
Maximum Discharge Current	3800A (5s)
Design Life	20 years (floating charge)
Maximum Charging Current	200.0A
Reference Capacity	C3: 767.7Ah C5: 868.0Ah C10: 1000.0Ah C20: 1065.8Ah C24: 1171.0Ah
Float Charging Voltage	2.25V~2.30V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37V~2.40V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C ± 5°C
Container Material	A.B.S. UL94-HB, UL94-V0 Optional
Self-Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to six months at 25°C and then recharging is recommended. Monthly self-discharge ratio is less than 2% at 20°C. Please charge batteries before using.

DISTRIBUTED BY:

SOLAR™ SOLUTIONS CANADA

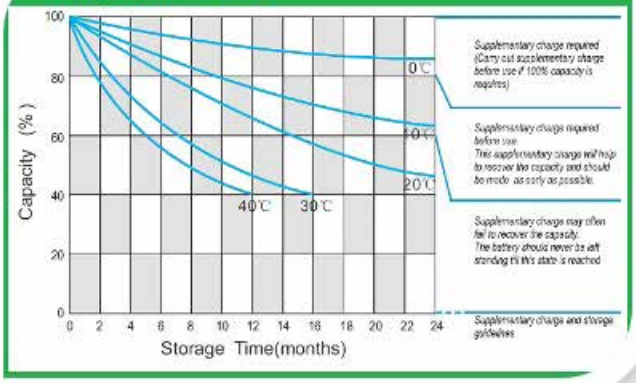


2V-1000Ahr @ 10hr-rate, 1171Ahr @ C24, 200A max charge rate, 73.5kg /162Lbs each, Valve Regulated Sealed Lead Acid battery that adopts immobilized GEL and Tubular Plate technology to offer high reliability and performance. The battery is designed and manufactured according to DIN standards and with die-casting positive grid and patented formula of active material which exceeds DIN standard values with more than 20 years floating design life at 25°C. It is the best solution for cyclic use under extreme operating conditions.

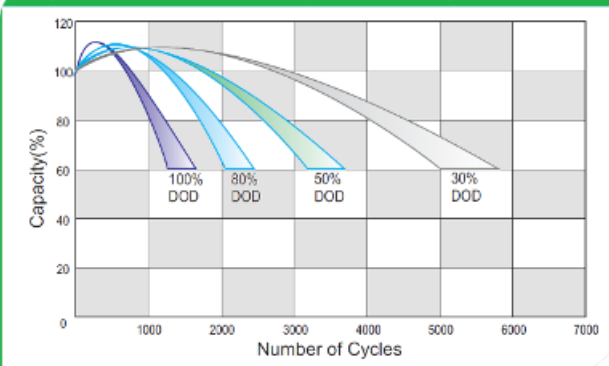
Head office: 6-130 Midland St. Winnipeg Manitoba R3E 3R3 (204) 632-5554 E: sales@solarsolutions.ca

Lab Data

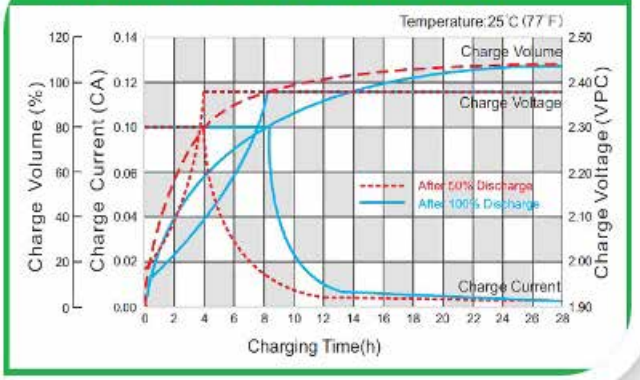
Storage Characteristics



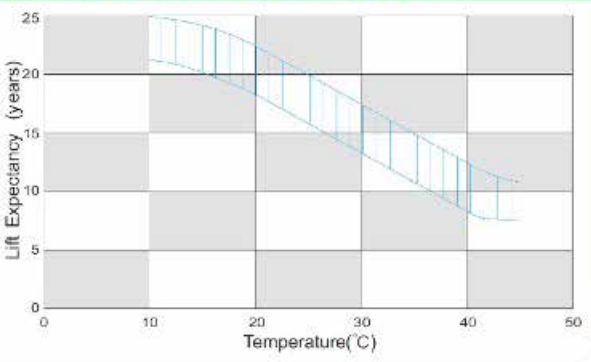
Cycle Life in Relation to Depth of Discharge



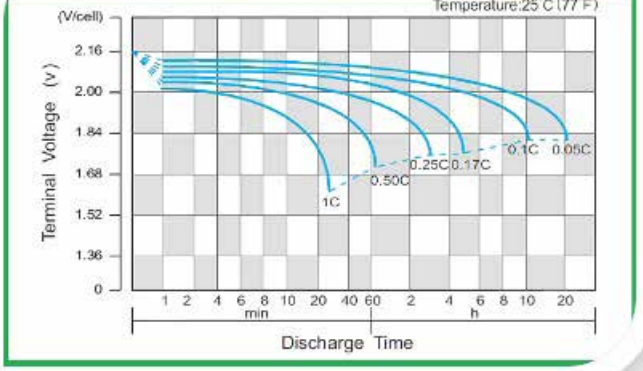
Charge Characteristic Curve for Cycle Use(IU)



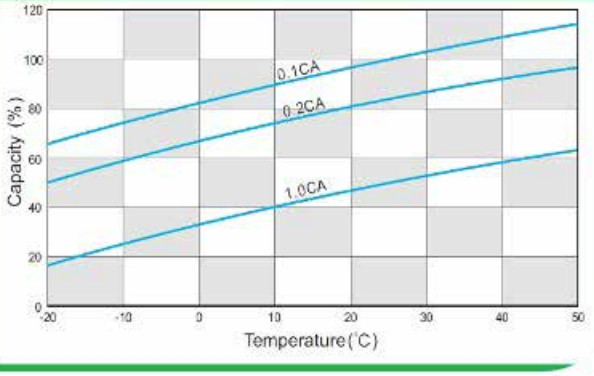
Effect of Temperature on Long Term Life



Discharge Characteristics Curve



Temperature Effects on Capacity



ISO 9001 ISO 14001 OHSAS 18001

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