6VRE-1700TF



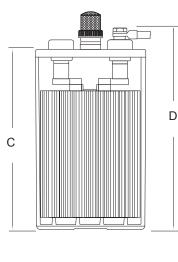


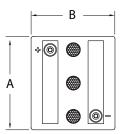
Tubular Flooded OPzS Battery Block

Discover® Tubular Flooded RE Series Batteries provide superior deep cycling performance and reliability for demanding commercial, industrial and residential applications. Discover® Tubular Flooded RE Series Batteries utilize Advanced Tubular Plate Technology to deliver long service life with low maintenance requirements. RE Series Batteries provide reliable energy storage for Stationary Backup and Telecom Networks, Road Surface, and Rail Traffic Signaling Systems, Solar, Wind, and Hybrid Off-grid and Grid-tie renewable energy applications. Discover® Tubular Flooded RE Series batteries provide maximum efficiency per discharge-charge cycle, and proven reliability in remote, high temperature, or unstable power network installations.

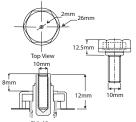
Mechanical Drawings







M10 Terminal



Mechanical Spe	cifications					
Industry Reference	6V Tubular Flooded OPzS					
Length (A)	10.7 in	272 mm				
Width (B)	8.1 in	205 mm				
Height (C)	13.1 in	332 mm				
Total Height (D)	14.3 in	363 mm 47 kgs				
Weight (Wet)	104 lbs					
Weight (Dry)	78 lbs	35 kgs				
Terminal	M10					
Poles	2					
Cell(s)	3					
Container	SAN					

Electrical Specifications						
	20% DOD	6.1V				
Reference LVD (110 at 20°C 68°F)	50% DOD	5.9V				
	80% DOD	5.7V				
	20% DOD	6000 cycles				
Cycle Life	50% DOD	2500 cycles				
	80% DOD	1700 cycles				
RINT	0.9 mΩ					
Short Circuit (20°C 68	2240 A 2-3% per month					
Self Discharge (20°C						
Maximum Operating	-35°C -31°F-50°C 122°F					
Electrolyte (20°C 68°	1.24 S.G.					

Electrical Specifications										
1.85 VPC at 20°C 68°F			1.75 VPC at 27°C 80°F			1.75 VPC at 20°C 68°F				
240 HR	120 HR	120 HR	100 HR	20 HR	10 HR	8 HR	5 HR	3 HR	1 HR	1 HR
293 AH	1.70 KWH	283 AH	277 AH	237 AH	215 AH	208 AH	190 AH	165 AH	0.7 KWH	112 AH

	Constant Power Reference in Watts / Cell to 1.92VPC at 20°C 68°F										
Γ	240 HR	168 HR	120 HR	100 HR	72 HR	50 HR	48 HR	24 HR	20 HR	12 HR	10 HR
Γ	2.0	2.8	3.8	4.5	6.1	8.3	8.6	15.5	18.0	27.0	31.1

Benefits & Features

Unparalleled Performance

Engineered to deliver 80% of rated capacity above 5.7 volts.

Long Cycle Life

Tubular positive plates and proprietary alloy compositions to provide a 50% Depth of Discharge cycle life of up to 2500 cycles @ 20°C | 68°F.

Low Total Cost of Ownership

Low cost per cycle. Lifetime value maximized especially in hybrid systems where using batteries can dramatically reduce generator run times delivering lower maintenance and fuel costs and less CO2 emissions.

Low Maintenance

Low maintenance designs, clear case jars and available watering systems to ease electrolyte level maintenance.

Complete Battery Solution

 Complete and ready to install systems, filled and charged with all necessary installation accessories (available Dry Charged).

Safe

 Tested and verified for compliance to applicable International Safety Standards. Built-in Ceramic flame arrestors to guard against ignition risks.

IEC 61427 Compliant

 Tested for compliance with the International Electrical Commission requirements for battery performance and life in PV applications.

Certified Quality

Discover Energy Corp. and its facilities and products are certified to multiple standards and compliance:

- IEC 61427: Requirements for Photovoltaic Energy Systems
- IEC 60896-11: Requirements for Vented Lead-Acid batteries
- DIN 40736-1: Specifications for RE Series Cells
- DIN 40737-3: Specifications for RE Series Blocks
- EN 50272-2: Safety Requirements for Stationary batteries
 ISO 9001, ISO 14001, BS OHSAS 180:
- ISO 9001, ISO 14001, BS OHSAS 180: Manufacturing and Production facilities
- ETTS Germany

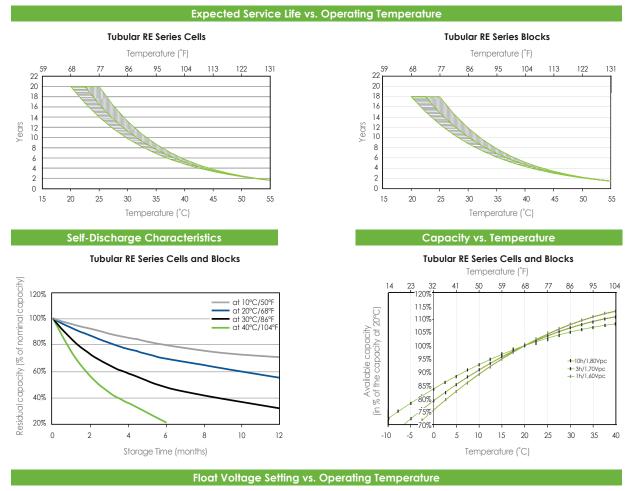


Contact Us

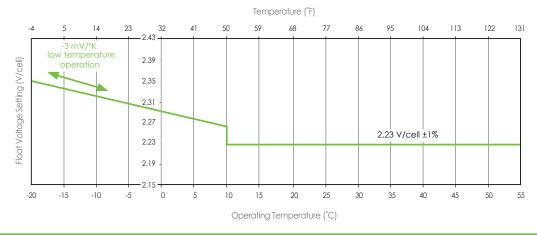


Unit 5-13511 Crestwood Place, Richmond, BC, V6V 2E9, Canada Email: info@discover-energy.com www.discover-energy.com

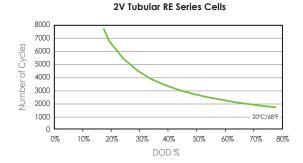




Tubular RE Series Cells and Blocks



Number of Cycles vs. DOD



6V and 12V Tubular RE Series Blocks

