12VRE-1600TF-L

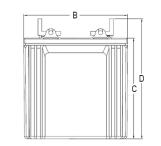




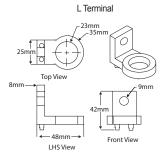
Discover® Tubular Flooded RE Series Batteries provide superior deep cycling performance and reliability for demanding commercial, industrial and residential applications. Discover® Tubular Flooded RE Series Batteries utilize Advanced Tubular Plate Technology to deliver long service life with low maintenance 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 RE 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









Mechanical Spe	cifications				
Industry Reference	12V Tubular Flooded SOPz				
Length (A)	20.5 in	520 mm			
Width (B)	10.9 in	277 mm			
Height (C)	8.3 in	212 mm			
Total Height (D) [*]	10.0 in	254 mm 42 kgs 21 kgs			
Weight (Wet)	93 lbs				
Weight (Dry)	46 lbs				
Terminal	M8 L				
Poles	2				
Cell(s)		5			
Container	Polypropylene				

Electrical Specifications							
	20% DOD	12.3 V					
Reference LVD (110 at 20°C 68°F)	50% DOD	11.9 V					
	80% DOD	11.5 V					
Cycle Life	20% DOD	3600 cycles					
	50% DOD	2000 cycles					
	80% DOD	1200 cycles					
RINT	5mΩ +/-1.5						
Short Circuit (20°C 68	1350 A						
Self Discharge (20°C	4-5% per month						
Maximum Operating	-35°C -31°F - 50°C 122°F						
Electrolyte (20°C 68°	1.24 S.G.						

Electric	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
138 AH	1.58 KWH	132 AH	128 AH	115 AH	100 AH	97 AH	88 AH	76 AH	0.8 KWH	66 AH

Constant Power Reference in Watts / Cell to 1.92VPC at 20°C 68°F										
240 HR	168 HR	120 HR	100 HR	72 HR	50 HR	48 HR	24 HR	20 HR	12 HR	10 HR
1.1	1.5	2.0	2.4	3.2	4.4	4.6	8.2	9.5	14.3	16.5



Benefits & Features

Unparalleled Performance

• Engineered to deliver 80% of rated capacity above 11.5 volts.

Long Cycle Life

 Tubular positive plates and proprietary alloy compositions to provide a 50% DoD 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:
- Manufacturing and Production facilities.
- ETTS Germany

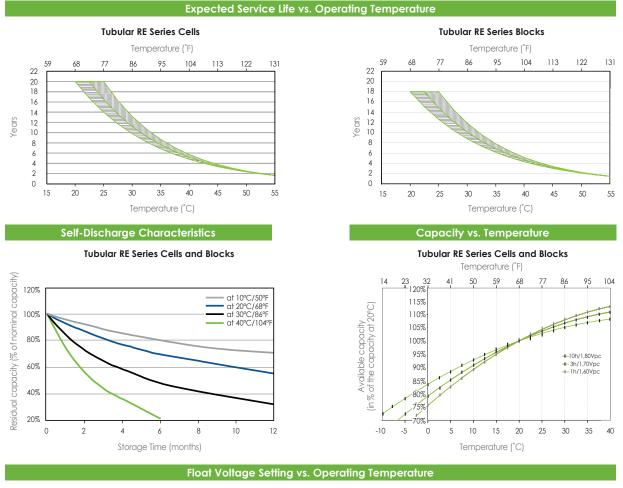


Contact Us

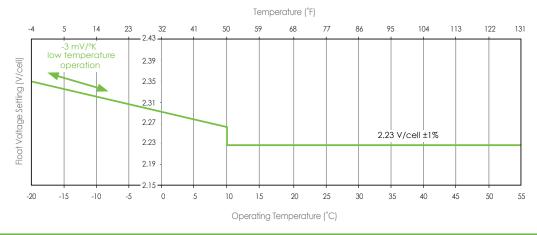


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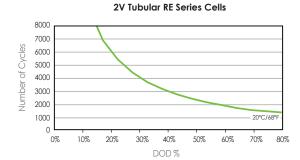




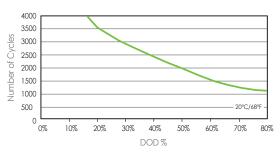












Discover Energy Corp. attempts to ensure the correctness of the product description and data contained herein. We reserve the right to change designs, specifications and pricing at any time without notice or obligation. It is the responsibility of the reader of this information to verify any and all information presented herein.