2VRE-3200TF-U

DATA SHEET

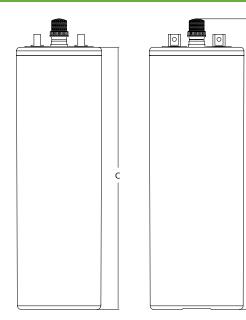


Tubular Flooded OPzS Battery Cell

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.

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Mechanical Drawings



Mechanical Spe	cifications				
Industry Reference	2V Tubular Flooded OPzS				
Length (A)	9.2 in	233 mm			
Width (B)	8.3 in	210 mm			
Height (C)	25.4 in	646 mm			
Total Height (D)	28.4 in	721 mm 74 kgs 44 kgs			
Weight (Wet)	163 lbs				
Weight (Dry)	97 lbs				
Terminal	M10 UT 4 1 SAN				
Poles					
Cell(s)					
Container					

Electrical Speci	Electrical Specifications					
	20% DOD	2.05V				
Reference LVD (110 at 20°C 68°F)	50% DOD	1.97V				
	80% DOD	1.91∨				
	20% DOD	7000 cycles				
Cycle Life	50% DOD	2950 cycles				
	80% DOD	1900 cycles				
RINT		0.10-0.25 mΩ				
Short Circuit (20°C 68	B°F)	7606 A				
Self Discharge (20°C	3-4% per month					
Maximum Operating	-35°C -31°F-50°C 122°F					
Electrolyte (20°C 68°	F)	1.24 S.G.				

В

Top view

M10 UT Terminal

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Electrico	ectrical 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
1631 AH	3.20 KWH	1598 AH	1553 AH	1260 AH	1125 AH	1087 AH	990 AH	821 AH	1.13 KWH	563 AH

	Constant Power Reference in Watts / Cell to 1.92VPC at 20°C 68°F										
ſ	240 HR	168 HR	120 HR	100 HR	72 HR	50 HR	48 HR	24 HR	20 HR	12 HR	10 HR
ſ	12.0	16.6	22.2	25.9	34.1	45.9	47.4	81.7	93.9	136.9	155.9

Benefits & Features

Unparalleled Performance

Engineered to deliver 80% of rated capacity above 1.91 volts.

Long Cycle Life

Tubular positive plates and proprietary alloy compositions to provide a 50% Depth of Discharge cycle life of up to 2950 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

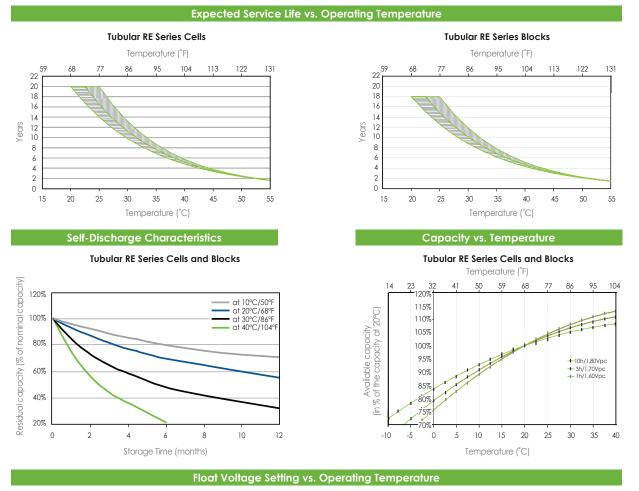


Contact Us

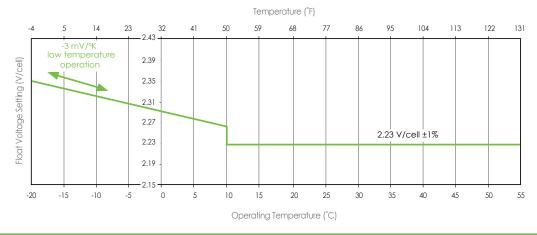


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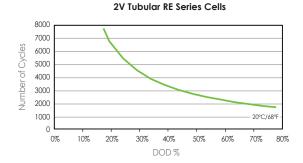




Tubular RE Series Cells and Blocks



Number of Cycles vs. DOD



6V and 12V Tubular RE Series Blocks

