11 OPzV-ET 1375

(2V 1513Ah @ 10hr)

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (151A, 1.8V)	1513Ah
5 hour rate (314.6A, 1.75V)	1331Ah
1 hour rate (884.9A, 1.6V)	884.9Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.27mOhm
Self-Discharge	
2% of capacity declined per month at 20°C (average)	
Operating Temperature Range	-20°C to +55°C
Maximum Discharge Current 20°C (68°F)	1427A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	756A
Standby use	2.25V ± 1%
Temperature compensation	-3.5mV/°C/Cell
Terminal torque	23Nm

Discharge Constant Current (Amperes at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	1426.9	1296.7	1152.8	884.9	517.5	421.0	280.1	176.1	153.1
1.65	1160.5	1114.5	1022.6	845.1	505.2	413.3	277.1	176.1	153.1
1.70	1079.9	1025.5	945.4	795.6	499.1	409.9	273.8	172.4	151.3
1.75	937.8	909.1	856.1	700.3	452.3	391.8	266.2	172.4	151.3
1.80	884.9	828.9	744.2	597.5	431.1	367.6	249.6	171.0	151.3
1.83	776.5	745.2	652.9	493.4	407.5	344.0	239.8	164.2	141.1
1.85	713.9	672.9	564.3	450.5	384.9	315.3	221.1	156.9	136.5
1.87	575.0	564.3	548.3	436.0	369.1	302.2	209.9	151.1	133.7
1.90	479.6	464.8	444.0	403.5	326.2	263.7	192.6	141.1	122.7

Discharge Constant Power (Watts at 20°C)

Cells (V)	10 m	15 m	30 m	1 h	2 h	3 h	5 h	8 h	10 h
1.60	2290.9	2082.0	1869.4	1472.7	927.6	771.7	527.6	336.4	290.9
1.65	1919.9	1843.9	1702.7	1433.9	905.7	757.6	521.9	336.4	290.9
1.70	1838.8	1746.2	1617.8	1379.4	889.2	753.5	515.6	329.5	287.4
1.75	1643.2	1592.8	1504.3	1242.	817.2	718.0	501.3	329.5	287.4
1.80	1604.7	1503.2	1342.2	1085.4	793.1	683.3	467.8	325.6	287.4
1.83	1432.9	1375.1	1198.1	908.5	758.0	643.6	454.2	313.8	269.3
1.85	1333.9	1257.4	1048.1	837.7	721.1	594.8	421.6	302.1	261.8
1.87	1083.5	1063.3	1028.2	819.3	698.3	575.4	402.5	292.1	258.9
1.90	912.8	884.8	858.6	768.4	625.8	507.2	372.9	274.5	238.6

Features

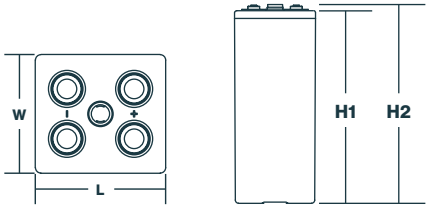
- High capacity density
- Robust tubular positive electrode design, compliant with DIN 40742
- Low self discharge rate allows for up to 2 years shelf life
- Operating temperature -20°C to +55°C
- 20 year float life at 20°C (68°F)
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low CO_2 footprint

Applications

- Telecommunications/ Mobile Phone Stations
- Traffic Systems
- UPS Systems
- Emergency Lighting
- Electrical Switching

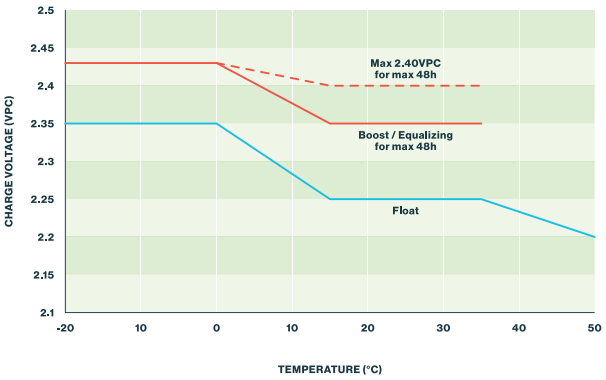
Dimensions and weight

Length (max)	215 mm
Width (max)	277 mm
Height: H1 (max)	800 mm
Total height: H2 (max)	815 mm
Approx. weight (max)	107.3 kg

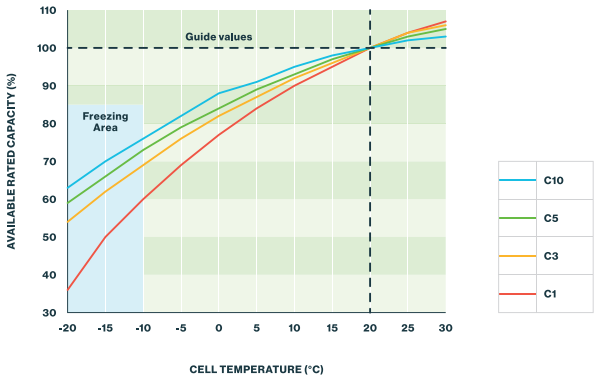


Compliant with IEC60896-21/22

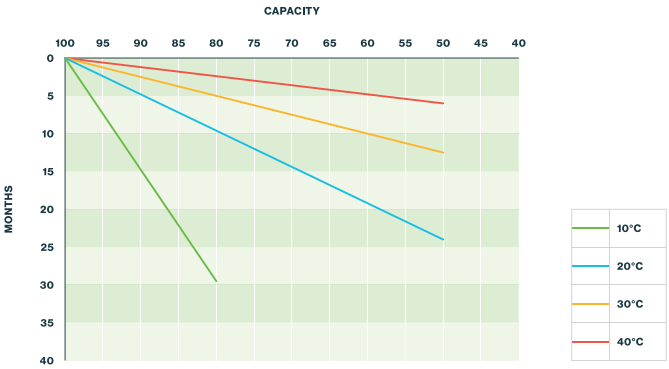
Charging voltage vs. Temperature



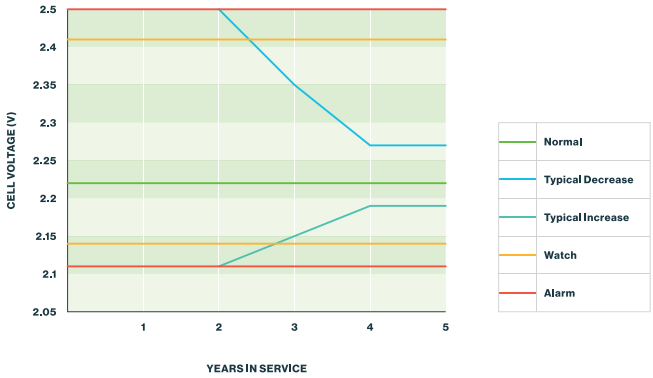
Capacity vs. Temperature



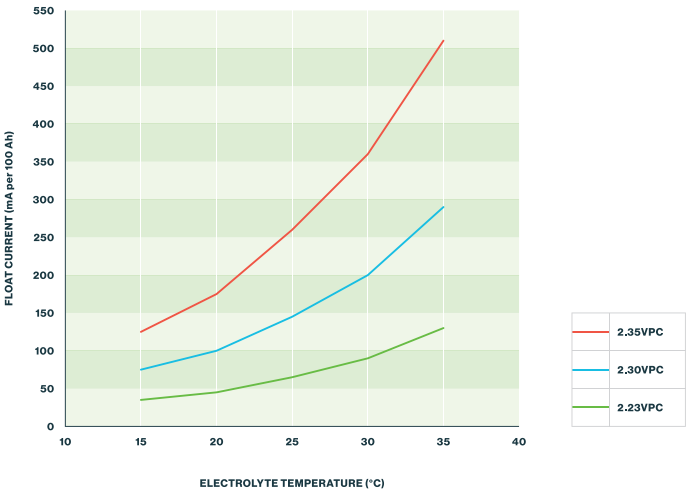
Self discharge at different temperatures



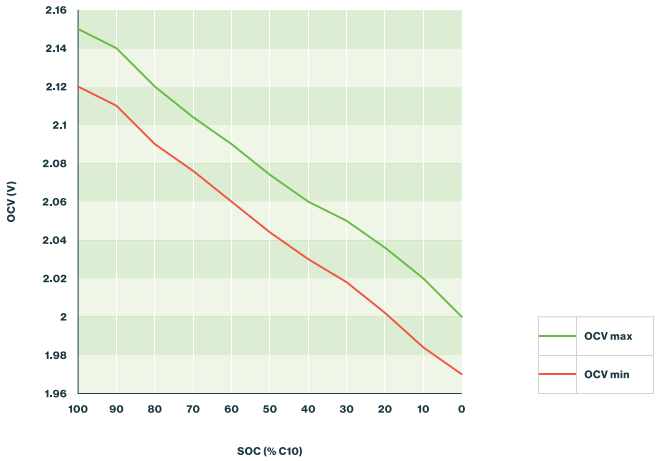
Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge



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