6 OPzV-ET 600

(2V 710Ah @ 10hr)

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (71A, 1.8V)	710Ah
5 hour rate (129A, 1.75V)	644Ah
1 hour rate (422A, 1.6V)	422Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.49mOhm
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)	760A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	355A
Standby use	2.25 ± 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	759.1	740.8	610.6	422.0	247.2	188.7	130.9	89.2	73.1
1.65	680.8	672.1	562.4	404.4	247.2	188.7	130.9	89.2	73.1
1.70	617.2	593.8	509.0	379.5	244.3	188.7	130.9	89.2	73.1
1.75	533.8	508.3	442.4	317.4	228.9	185.0	128.7	87.8	73.1
1.80	462.9	433.8	367.8	297.5	215.1	175.4	123.5	84.5	71.0
1.83	394.7	383.9	347.4	275.5	210.5	167.1	119.2	82.7	67.3
1.85	378.6	349.3	319.5	255.8	190.3	156.5	113.0	77.9	64.9
1.87	319.1	311.1	290.0	235.3	184.4	148.4	106.8	73.9	62.1
1.90	252.6	246.4	231.5	204.1	158.9	136.6	96.0	68.0	57.2

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	1222.0	1193.0	999.0	719.0	447.0	348.0	247.0	170.0	139.0
1.65	1129.0	1114.0	942.0	696.0	447.0	348.0	247.0	170.0	139.0
1.70	1051.0	1011.0	875.0	663.0	442.0	348.0	247.0	170.0	139.0
1.75	935.0	890.0	779.0	566.0	416.0	343.0	243.0	167.0	139.0
1.80	834.0	781.0	664.0	542.0	397.0	327.0	233.0	161.0	135.0
1.83	723.0	703.0	637.0	509.0	392.0	315.0	227.0	158.0	129.0
1.85	707.0	652.0	592.0	476.0	357.0	297.0	217.0	149.0	125.0
1.87	602.0	587.0	543.0	442.0	348.0	283.0	204.0	143.0	120.0
1.90	483.0	471.0	441.0	390.0	304.0	263.0	186.0	132.0	111.0

Features

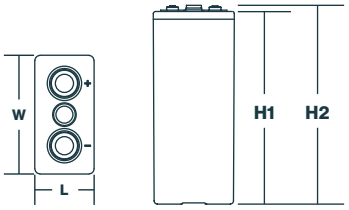
- High capacity density
- Robust tubular positive electrode design, compliant with DIN 40742
- Low self discharge rate allows for up to 2 years shelf life
- Operating temperature -20°C to +55°C
- 20 year float life at 20°C (68°F)
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low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

Applications

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

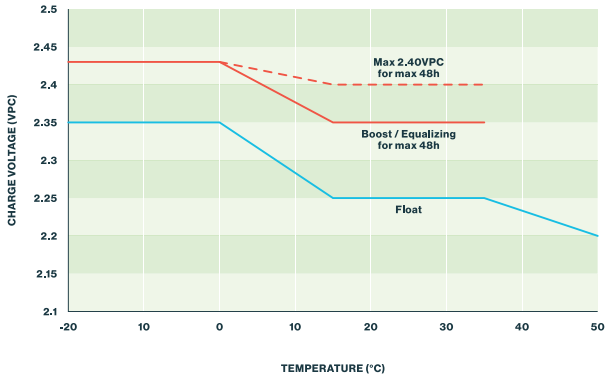
Dimensions and weight

Length (max)	147 mm
Width (max)	208 mm
Height: H1 (max)	650 mm
Total height: H2 (max)	665 mm
Approx. weight (max)	48.9 kg

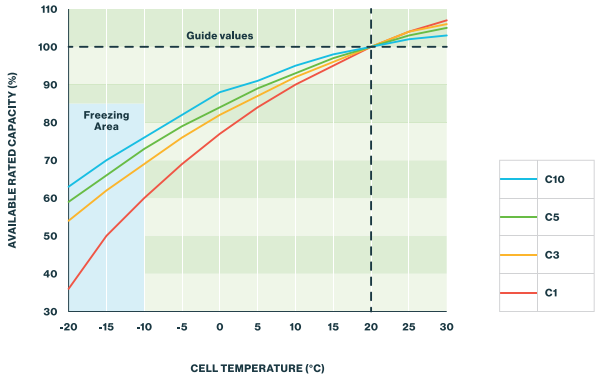


Compliant with IEC60896-21/22

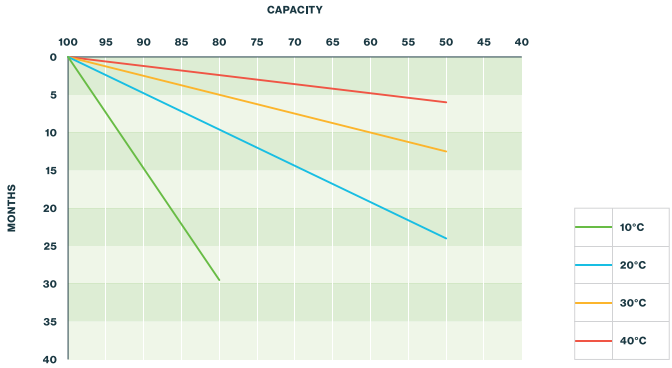
Charging voltage vs. Temperature



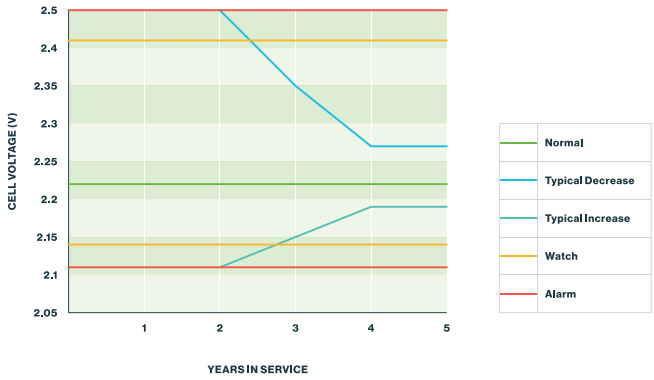
Capacity vs. Temperature



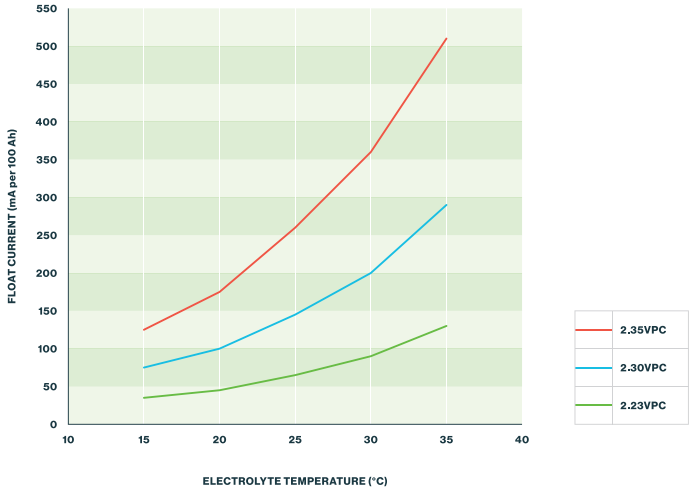
Self discharge at different temperatures



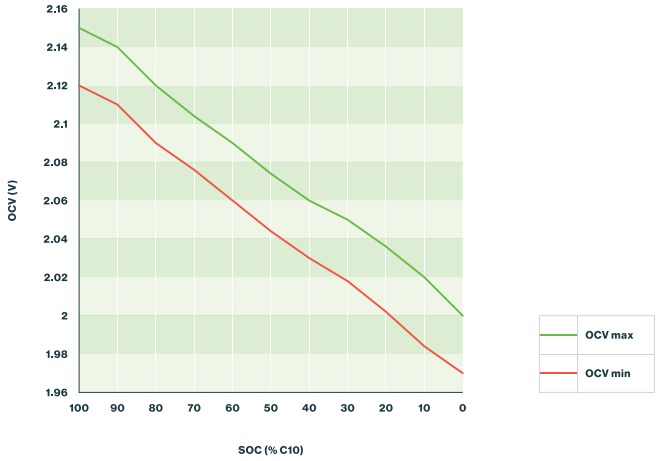
Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge



+971 724 33 535
info@eternitytechnologies.com
www.eternitytechnologies.com