5 OPzV-ET 350

(2V 415Ah @ 10hr)

Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (41.5A, 1.8V)	415Ah
5 hour rate (81A, 1.75V)	405Ah
1 hour rate (238A, 1.6V)	238Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.62mOhm
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)	551A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	207.5A
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	550.8	506.8	381.3	238.2	139.6	115.7	81.6	52.9	42.7
1.65	526.9	486.7	368.0	235.3	139.6	115.7	81.6	52.9	42.7
1.70	462.7	419.9	330.2	229.9	138.4	114.7	80.9	52.5	42.3
1.75	422.5	388.2	299.7	226.5	135.9	111.8	80.9	52.5	42.3
1.80	417.1	373.1	279.3	200.4	135.7	108.7	79.3	51.0	41.5
1.83	349.2	296.3	264.4	186.6	125.7	105.7	74.6	50.8	40.9
1.85	331.3	290.5	248.5	175.8	123.6	103.8	72.7	49.7	40.4
1.87	331.1	283.2	238.5	162.6	122.6	98.8	69.3	47.9	38.9
1.90	243.5	230.4	186.6	142.8	113.6	93.1	65.0	44.5	36.5

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	891.2	821.5	631.9	419.2	257.5	216.8	154.4	101.6	81.7
1.65	875.7	809.0	622.1	412.5	257.5	216.8	154.4	101.6	81.7
1.70	790.5	717.5	571.7	406.6	255.2	215.0	153.1	100.7	81.0
1.75	741.5	681.3	529.3	407.4	250.8	207.2	153.1	100.7	81.0
1.80	751.0	671.8	506.4	366.8	252.2	204.0	150.5	97.7	79.6
1.83	638.1	541.4	486.0	346.0	236.5	199.5	142.5	97.5	77.7
1.85	612.8	537.4	461.8	328.6	234.0	197.7	138.8	95.5	77.3
1.87	613.3	524.7	446.4	306.7	233.4	189.0	133.5	92.7	75.4
1.90	447.5	423.3	354.4	271.2	218.6	179.8	125.7	86.3	71.4

Features

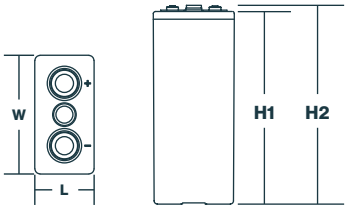
- High capacity density
- Robust tubular positive electrode design, compliant with DIN 40742
- Low self discharge rate allows for up to 2 years shelf life
- Operating temperature -20°C to +55°C
- 20 year float life at 20°C (68°F)
- EUROBAT design life: Long Life > 12 years
- Fully recyclable with low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

Applications

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

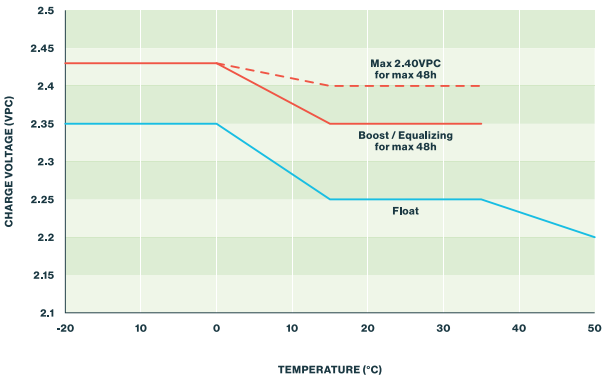
Dimensions and weight

Length (max)	126 mm
Width (max)	208 mm
Height: H1 (max)	475 mm
Total height: H2 (max)	490 mm
Approx. weight (max)	29.8 kg

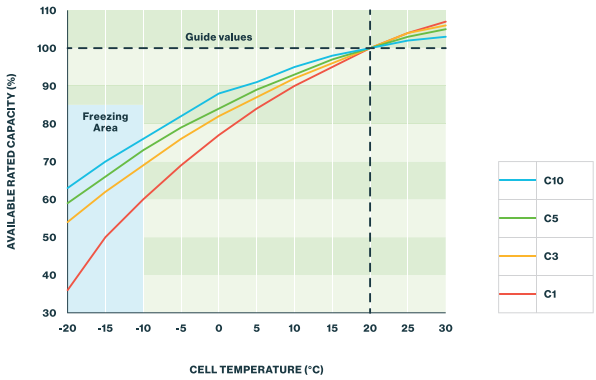


Compliant with IEC60896-21/22

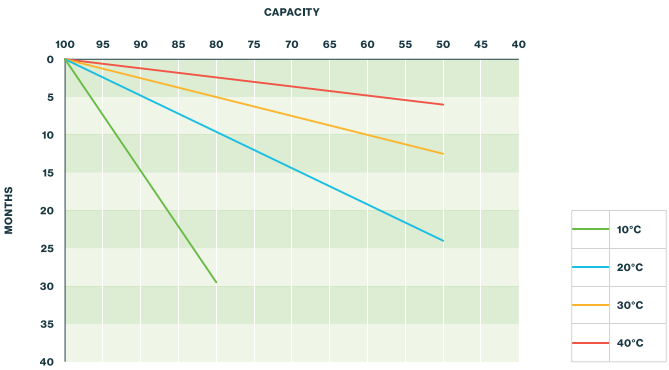
Charging voltage vs. Temperature



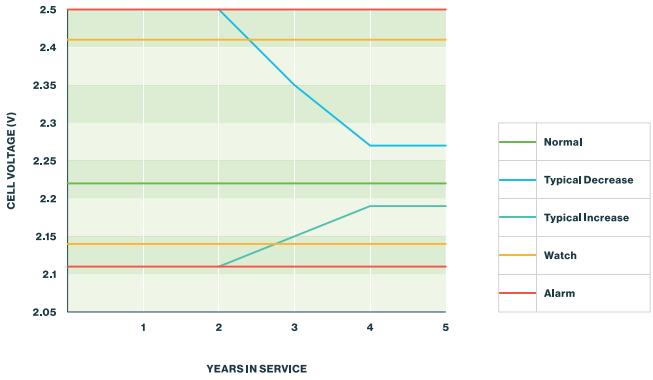
Capacity vs. Temperature



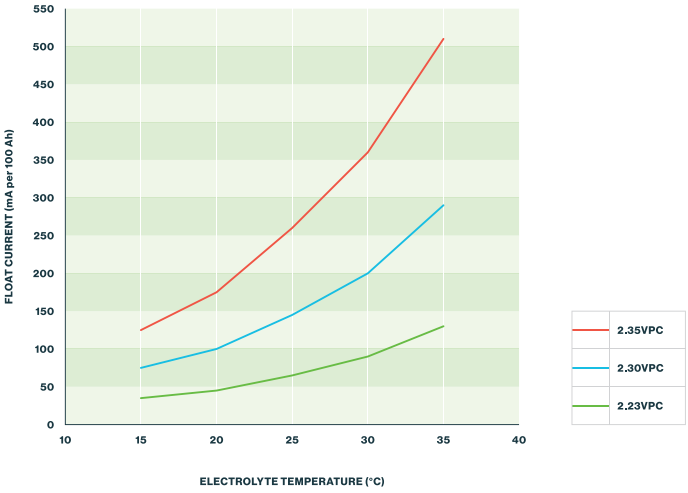
Self discharge at different temperatures



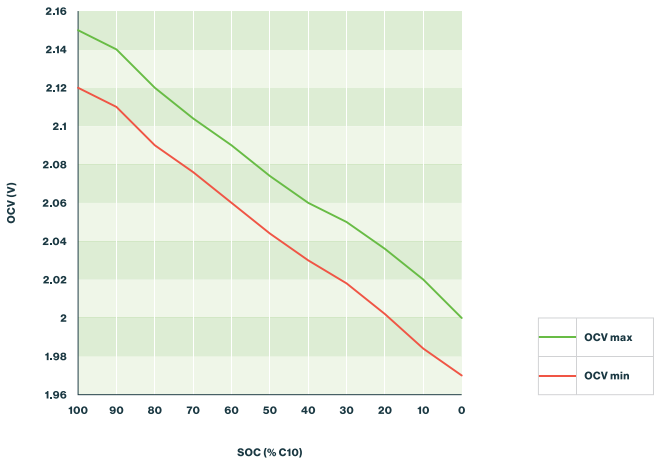
Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge



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