

9 OPzV-ET 900

(2V 1069Ah @ 10hr)



Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years

Nominal Capacity 20°C (68°F)

10 hour rate (106.9A, 1.8V)	1069Ah
5 hour rate (193.7A, 1.75V)	968.5Ah
1 hour rate (635.2A, 1.6V)	635.2Ah

Internal Resistance

Fully Charged Battery 20°C (68°F)	0.38mOhm
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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)

1140A

Charge Methods: Constant Voltage Charge 20°C (68°F)

Cycle use	2.40V (time limited)
Maximum charging current	428A
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	1142.6	1115.1	919.2	635.2	372.1	284.0	197.0	134.3	110.1
1.65	1024.9	1011.6	846.5	608.7	372.1	284.0	197.0	134.3	110.1
1.70	929.1	893.9	766.2	571.3	367.7	284.0	197.0	134.3	110.1
1.75	803.6	765.1	666.0	477.8	344.6	278.5	193.7	132.1	110.1
1.80	696.8	653.0	553.6	447.8	323.8	264.0	186.0	127.2	106.9
1.83	595.4	579.0	523.9	415.5	317.5	252.1	179.8	124.7	101.5
1.85	571.3	527.2	482.1	386.1	287.1	236.1	170.5	117.6	98.0
1.87	481.1	468.9	437.1	354.7	278.0	223.7	161.0	111.4	93.6
1.90	383.4	373.9	351.3	309.7	241.1	207.3	145.7	103.2	86.7

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	1841.6	1797.3	1506.6	1087.3	675.2	524.8	371.7	255.6	209.5
1.65	1698.2	1676.3	1421.4	1050.3	675.2	524.8	371.7	255.6	209.5
1.70	1584.7	1524.6	1317.3	1000.9	667.5	524.8	371.7	255.6	209.5
1.75	1409.5	1341.9	1175.0	853.4	627.7	515.9	365.4	251.4	209.5
1.80	1256.4	1177.4	1000.8	816.3	598.1	492.4	352.2	241.9	204.4
1.83	1090.0	1060.0	961.7	766.6	593.2	474.0	342.0	239.0	194.1
1.85	1063.1	981.1	893.9	720.8	540.7	448.2	324.8	227.2	188.1
1.87	902.7	879.9	820.1	668.3	526.9	427.7	309.2	215.8	181.4
1.90	730.3	712.1	667.6	590.2	462.7	401.2	283.2	201.2	168.9

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 CO₂ footprint

Applications

Telecommunications/ Mobile Phone Stations

Traffic Systems

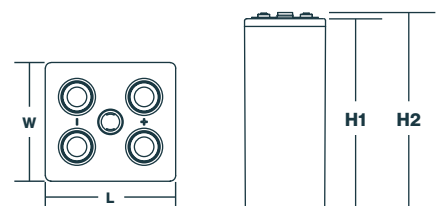
UPS Systems

Emergency Lighting

Electrical Switching

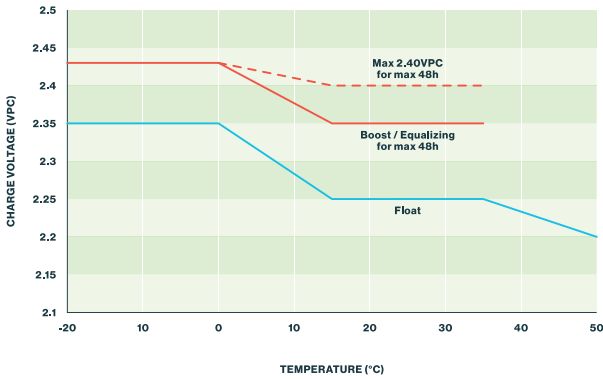
Dimensions and weight

Length (max)	215 mm
Width (max)	235 mm
Height: H1 (max)	650 mm
Total height: H2 (max)	665 mm
Approx. weight (max)	75.7 kg

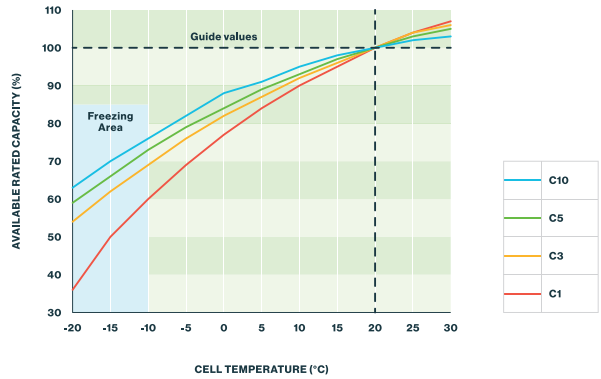


Compliant with IEC60896-21/22

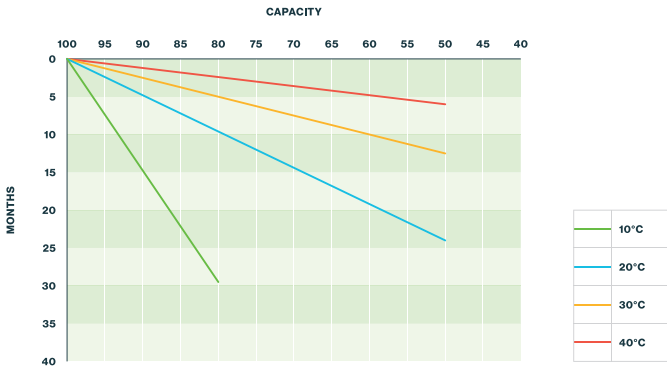
Charging voltage vs. Temperature



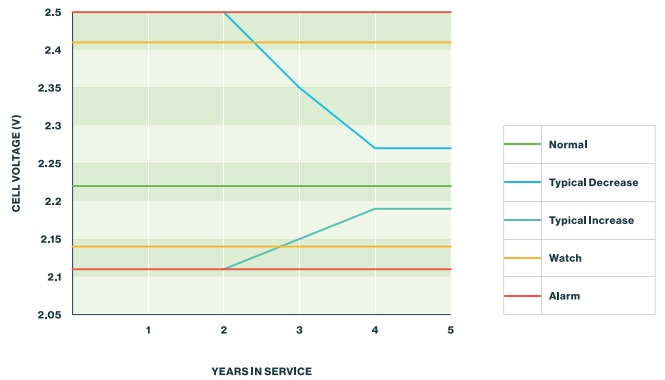
Capacity vs. Temperature



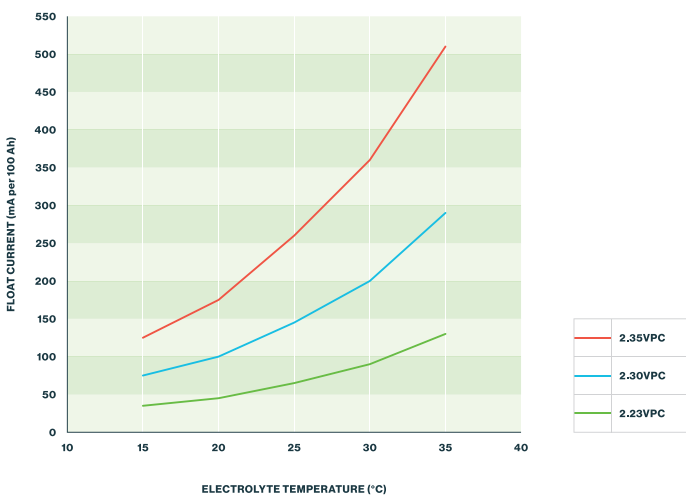
Self discharge at different temperatures



Float voltage deviation vs. Years in service



Float current: Residual charge current



Storage: Determine the state of charge

