

14 OPzS-ET 1750

(2V 1925Ah @ 10hr)



Performance characteristics

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

Nominal Capacity 20°C (68°F)

10 hour rate (192.5A, 1.8V)	1925Ah
5 hour rate (340A, 1.75V)	1701Ah
1 hour rate (1103A, 1.6V)	1103Ah

Internal Resistance

Fully Charged Battery 20°C (68°F)	0.20mOhm
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Electrolyte

Nominal S.G at 20°C = 1.240kg/l

Operating Temperature Range

-20°C to +55°C

Maximum Discharge Current 20°C (68°F)

1869A

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

Cycle use	2.40V (time limited)
Maximum charging current	770A
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	1818	1707	1437	1104	739	539	381	254	208
1.65	1604	1519	1292	1010	705	524	373	252	208
1.70	1390	1330	1151	907	660	501	360	248	206
1.75	1176	1129	997	798	603	468	341	240	201
1.80	963	924	833	683	532	424	314	227	193
1.83	826	799	727	606	481	388	293	216	183
1.85	737	714	657	554	447	365	279	208	177
1.87	643	625	578	495	405	335	261	196	168
1.90	504	493	462	406	343	291	234	177	154

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	2956	2798	2421	1882	1292	967	699	477	395
1.65	2678	2550	2216	1745	1245	945	689	475	395
1.70	2387	2289	2006	1591	1176	911	678	469	394
1.75	2070	1993	1780	1429	1095	864	639	457	385
1.80	1737	1673	1523	1249	984	792	595	434	371
1.83	1514	1467	1343	1121	894	732	557	415	355
1.85	1365	1326	1223	1035	838	692	534	402	346
1.87	1202	1168	1014	928	765	637	502	381	329
1.90	958	937	881	774	659	561	456	347	304

Features

High energy density

Robust tubular positive electrode design, compliant with DIN 40736

Minimal maintenance due to low antimony alloy and large electrolyte volume

Operating temperature -20°C to +55°C

EUROBAT design life: Long Life > 12 years

Fully recyclable with low CO₂ footprint

Applications

Telecommunications/ Mobile Phone Stations

Traffic Systems

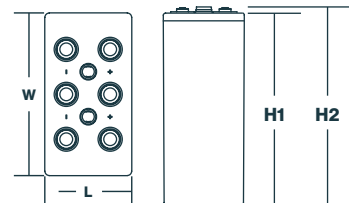
UPS Systems

Emergency Lighting

Electrical Switching

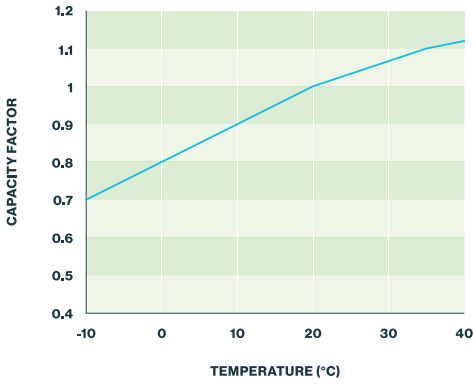
Dimensions and weight

Length	214 mm
Width	399 mm
Height (H1)	772 mm
Total height (H2)	785 mm
Dry weight	93.5 kg
Filled weight	133.5 kg

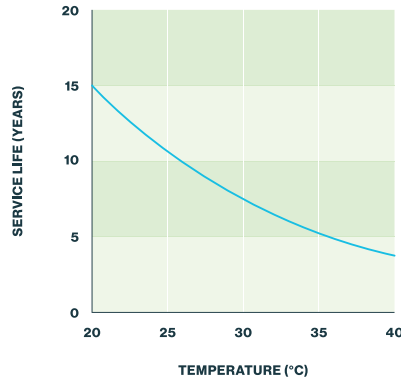


Compliant with IEC60896-11

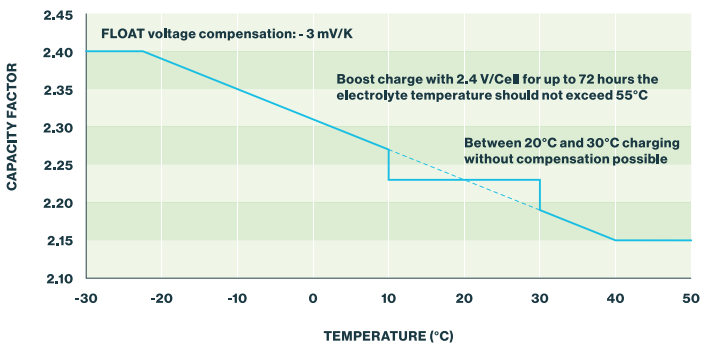
Capacity factor vs. Temperature - discharge current I_{10}



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

