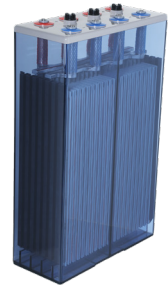


3 OPzS-ET 150

(2V 168Ah @ 10hr)



Performance characteristics

Nominal Voltage	2V
Number of cells	1
Design Life	20 years
Nominal Capacity 20°C (68°F)	
10 hour rate (16.8A, 1.8V)	168Ah
5 hour rate (30A, 1.75V)	153Ah
1 hour rate (95A, 1.6V)	95Ah
Internal Resistance	
Fully Charged Battery 20°C (68°F)	0.95mOhm
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)	279A
Charge Methods: Constant Voltage Charge 20°C (68°F)	
Cycle use	2.40V (time limited)
Maximum charging current	67A
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	244	211	150	95	61	47	32	21	18
1.65	226	196	144	93	60	47	32	21	18
1.70	203	181	136	91	59	46	31	21	18
1.75	178	162	125	86	58	45	31	21	17
1.80	150	137	110	80	55	43	30	20	17
1.83	131	121	99	75	52	41	28	20	17
1.85	118	110	93	71	51	40	28	19	16
1.87	106	99	84	66	48	37	26	19	16
1.90	86	82	73	59	43	34	25	18	14

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	400	349	256	168	111	88	60	41	34
1.65	379	334	248	166	111	88	60	41	34
1.70	351	314	240	163	110	87	60	41	34
1.75	316	288	225	158	108	85	59	41	34
1.80	273	250	202	148	103	81	57	39	33
1.83	241	223	185	140	99	78	55	38	32
1.85	220	205	173	134	96	76	53	38	32
1.87	197	185	160	126	92	72	51	37	30
1.90	163	156	139	114	84	67	48	35	29

Features

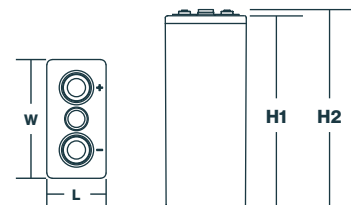
High energy density
Robust tubular positive electrode design, compliant with DIN 40736
Minimal maintenance due to low antimony alloy and large electrolyte volume
Operating temperature -20°C to +55°C
EUROBAT design life: Long Life > 12 years
Fully recyclable with low CO ₂ footprint

Applications

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

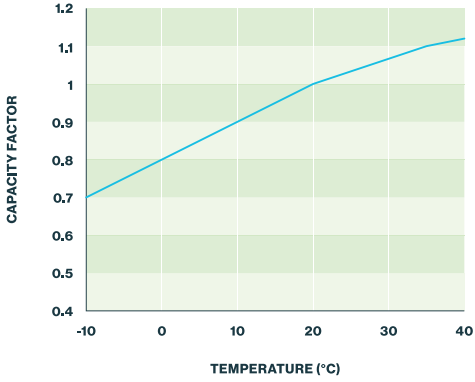
Dimensions and weight

Length	103 mm
Width	206 mm
Height (H1)	355 mm
Total height (H2)	368 mm
Dry weight	10.5 kg
Filled weight	15.3 kg

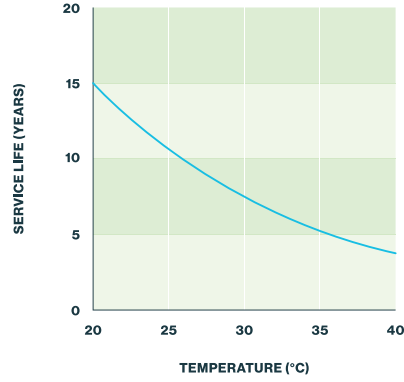


Compliant with IEC60896-11

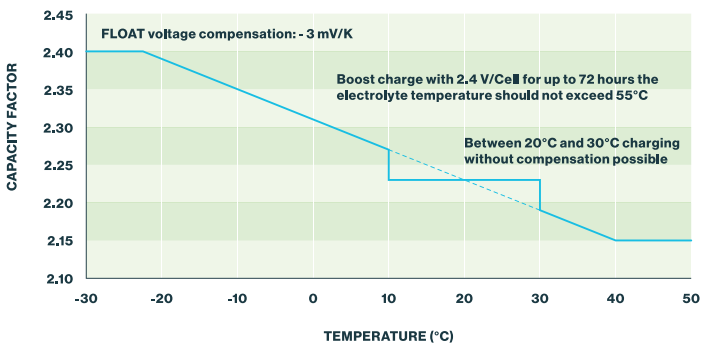
Capacity factor vs. Temperature - discharge current I_{10}



Service life vs. Temperature



Charging voltage vs. Temperature



Self discharge

