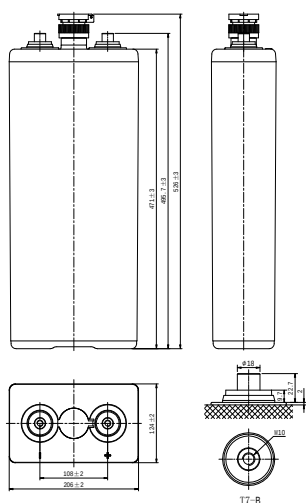


OPzS SERIES-FLOODED BATTERY

5OPzS350 (2V350Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (20°C)	C ₁₀ , 1.80V/cell	350Ah
Dimension	Length	124mm (4.88inches)
	Width	206mm (8.11inches)
	Container Height	471mm (18.5inches)
	Total Height	526mm (20.7inches)
Approx Weight	28.3kg (62.4lbs)	
Dry Weight	21.3kg (47.0lbs)	
Terminal	T7-B(M10)	
Container Material	SAN transparent container	
Short-circuit current	2625A	
Internal Resistance (20°C)	Approx 1 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~55°C (5~131°F)
	Charge	0~45°C (32~113°F)
	Storage	-15~45°C (5~113°F)
Nominal Operating Temp. Range	25±5°C (77±9°F)	
Max.Charging Current (20°C)	0.15C	
Charge voltage (20°C)	Standby Use	Cycle Use
	2.23-2.25V/cell	2.40-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	20°C (68°F)	100%
	0°C (32°F)	86%
Self Discharge	≤4% per month at 20°C	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 20°C (68°F)													
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	72h	100h	120h
1.85V/cell	139.0	101.5	78.2	64.7	55.9	49.1	40.0	33.5	18.4	15.4	5.54	4.15	3.56
1.80V/cell	162.4	111.8	85.4	69.9	59.6	52.1	42.1	35.0	19.1	16.0	5.75	4.31	3.70
1.75V/cell	176.4	119.0	90.0	73.1	62.2	54.1	43.2	35.8	19.5	16.4	5.87	4.40	3.77
1.70V/cell	185.9	124.3	92.9	75.3	63.9	55.4	44.0	36.4	19.8	/	/	/	/
1.65V/cell	193.2	127.2	95.7	77.1	65.3	56.5	44.8	37.0	20.1	/	/	/	/
1.60V/cell	199.9	130.2	97.3	78.2	66.2	57.3	45.3	37.4	20.3	/	/	/	/
Constant Power Discharge (Watts/cell) at 20°C (68°F)													
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h	72h	100h	120h
1.85V/cell	260.0	191.4	148.2	123.2	106.8	94.2	77.1	65.0	35.8	30.0	10.7	7.99	6.83
1.80V/cell	299.5	208.6	160.2	131.8	112.9	99.3	80.5	67.3	36.9	30.9	11.0	8.23	7.04
1.75V/cell	321.2	220.0	167.4	136.8	117.2	102.4	82.3	68.4	37.4	31.4	11.2	8.34	7.13
1.70V/cell	335.2	228.1	171.8	140.4	119.9	104.6	83.4	69.3	37.9	/	/	/	/
1.65V/cell	345.9	232.5	176.1	143.1	122.0	106.3	84.6	70.2	38.3	/	/	/	/
1.60V/cell	354.8	236.8	178.2	144.5	123.1	107.2	85.2	70.7	38.5	/	/	/	/

OPzS SERIES-FLOODED BATTERY

5OPzS350 (2V350Ah)



APPLICATIONS

- Telecommunications
- Buoy lighting
- Standby power
- Railway signalling
- Emergency lighting systems
- Alternative power (solar, wind)
- Maritime standby power on ships and ashore

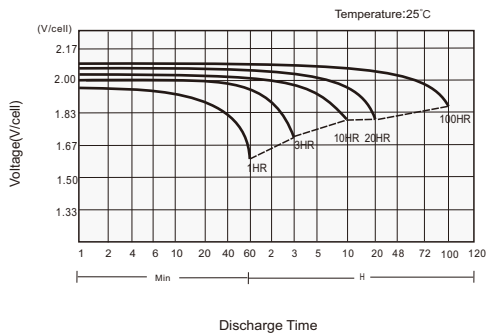
GENERAL FEATURES

- 20 years design life (20°C)
- Positive electrodes-die-cast tubular plates with low antimony lead alloy for longer life
- Transparent SAN Containers to allow electrolyte level and cell condition to be monitored visually
- Excellent standby and cycling behaviour - long life

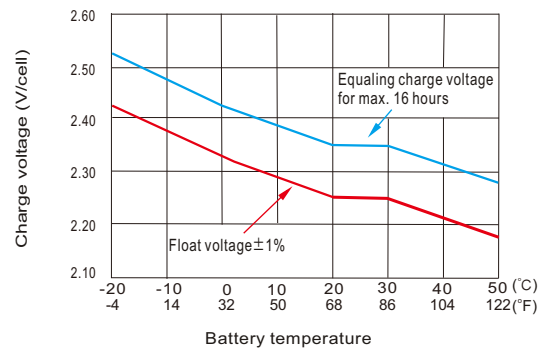
STANDARDS

- Acc.to IEC60896, DIN 40736 standards
- Manufactured in DESA, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

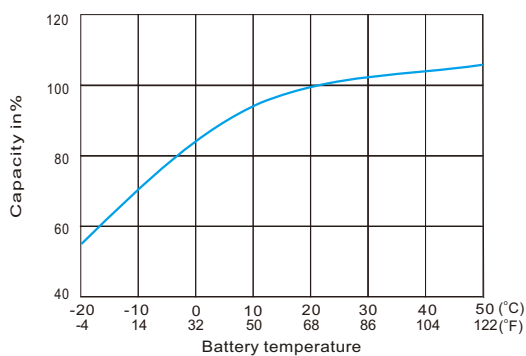
Discharge Characteristics



Charge Voltage vs Ambient Temperature Curve



Discharge Capacity vs Ambient Temperature Curve (I₁₀ A)



Self Discharge Characteristics

