

stored energy solutions for a demanding world

OPzS

50PzS350

OPzS Series

NARADA OPzS Series Lead Acid batteries are designed with a combination of die-casting Tubular positive framework and superfluous electrolyte technologies to offer a very high lever of reliability and a long service life. OPzS batteries used special filter and proof design to ensure no acid fog runs over and burning proof, and also convenient examine and maintenance.

The specification of Narada OPzS series batteries make if idea for a wide range of applications such as Telecommunications, Photovoltaic System, Security System, emergency lighting and UPS.

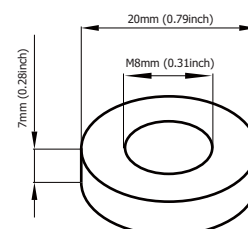
Features & Benefits

- Low maintenance.
- Super long service life.
- Transparent containers, convenient to observe.
- Special filter installation for acid fog proof.
- High quality and high reliability.
- Special pole sealed technology.
- DIN40736-1 compliant.

Construction

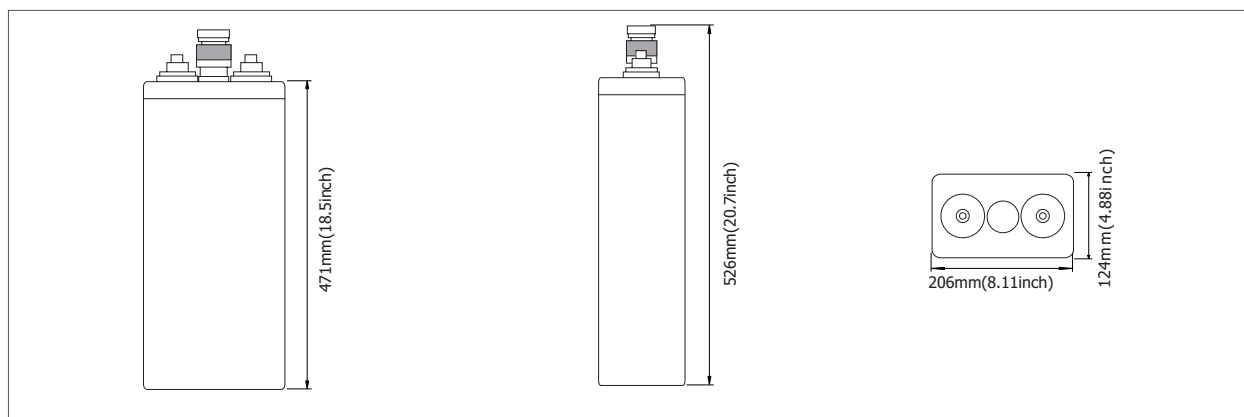
ComponentRaw material
PositiveLead dioxide
NegativeLead
ContainerSAN
CoverABS

TerminalCopper
SeparatorRubber-PVC
ElectrolyteSulfuric acid

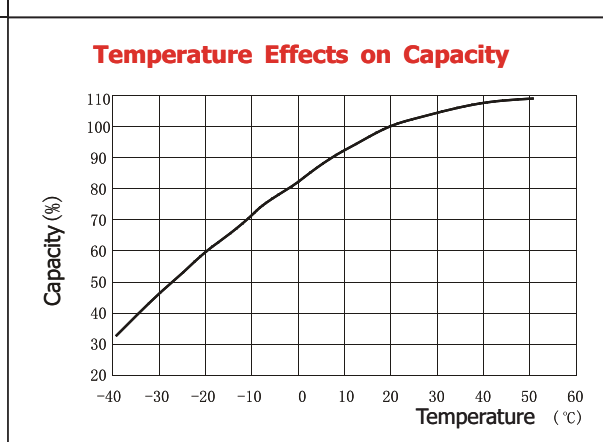
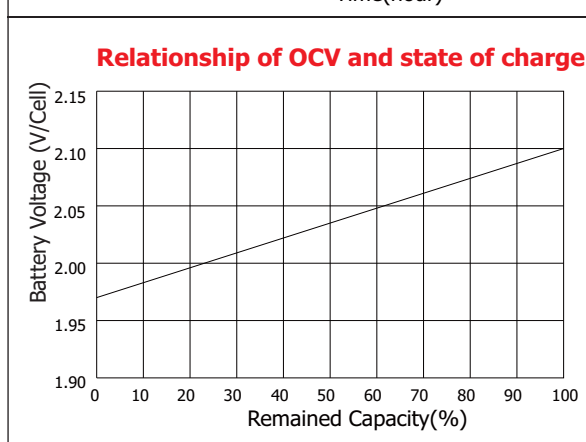
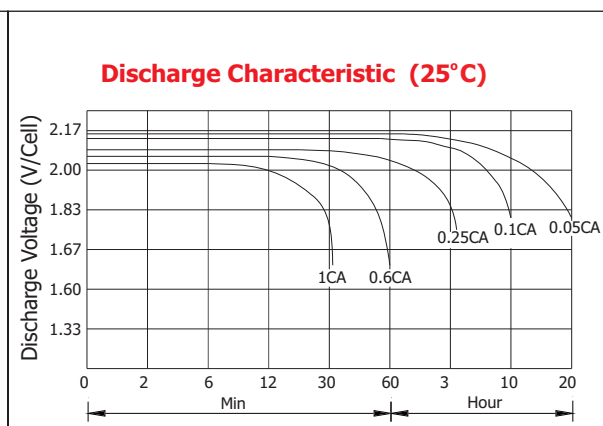
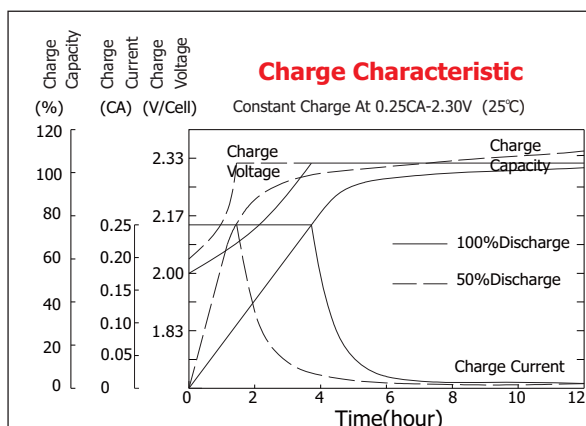


Terminal Dimensions

Cell Dimensions



Battery Model	50PzS350			
Designed Floating Life	20 Years			
Capacity(25°C)	24HR(15.5A,1.80V)	10HR(35A,1.80V)	5HR(57.5A,1.80V)	1HR(183A,1.80V)
	372AH	350AH	288AH	183AH
Dimensions	Length	Width	Height	Total Height
	124mm(4.88inch)	206mm(8.11inch)	471mm(18.5inch)	526mm(20.7inch)
Approx. Weight	without electrolyte:19.8Kg (43.7lbs) with electrolyte:27Kg(59.5lbs)			
Internal Resistance	Full charged at 20°C: 0.00067 Ohm			
Self Discharge	3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(10HR)	40°C	20°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	2.35V-2.40V/cell(-5mV/cell/°C), max. Current: 87A		2.23V/cell(-3.0mV/cell/°C)	



Constant Current Discharge Data Units: Amperes (25°C, 77°F)

End voltage	minutes	hours									
	30	1	2	3	4	5	6	8	10	24	48
1.60V	290.1	198.8	124.2	89.3	71.0	61.3	54.2	43.9	36.2	16.3	9.00
1.65V	280.4	193.9	121.0	87.7	70.2	60.7	53.6	43.6	36.0	16.3	8.90
1.70V	269.1	188.3	118.6	86.9	69.4	59.9	52.7	43.1	35.9	16.1	8.80
1.75V	258.6	182.6	115.3	84.4	68.5	58.8	51.7	42.2	35.3	15.8	8.70
1.80V	236.7	173.7	111.2	82.8	66.9	57.5	50.4	41.2	35.0	15.5	8.60
1.85V	199.6	161.6	105.6	80.4	64.5	55.7	48.6	40.1	33.8	14.9	8.20
1.95V	169.7	129.3	91.8	71.5	60.4	51.8	44.9	36.3	30.4	13.7	7.70

Constant Power Discharge Data Units: Watts per cell (25°C, 77°F)

End voltage	minutes	hours									
	30	1	2	3	4	5	6	8	10	12	24
1.60V	587.3	449.6	247.9	188.2	150.8	127.2	111.8	92.3	77.9	67.2	34.3
1.65V	555.9	418.2	246.2	187.4	149.9	126.3	111.0	91.6	77.4	66.8	34.2
1.70V	531.2	391.8	242.9	184.8	147.5	124.5	109.5	90.4	76.2	65.8	33.7
1.75V	509.7	368.8	236.3	179.9	141.6	120.1	107.1	88.9	74.9	64.9	33.2
1.80V	489.1	348.0	228.0	174.9	138.3	114.6	102.3	84.7	71.0	60.7	32.7
1.85V	470.2	323.3	218.8	166.7	131.6	111.6	98.4	82.5	68.1	58.4	31.8
1.95V	428.9	287.9	198.9	160.8	138.3	115.5	93.7	78.3	61.8	53.3	30.2

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