

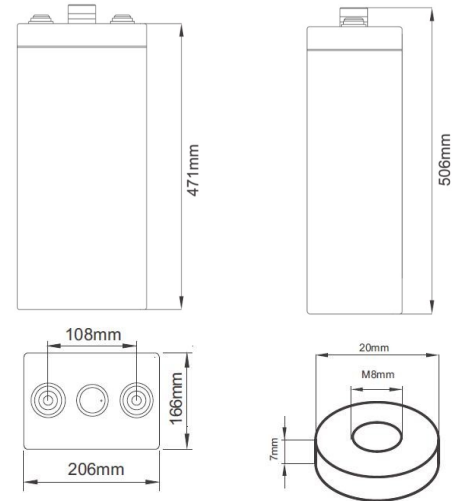
OPzV SERIES 70PzV500(2V500AH/10HR)

Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	500AH	
Dimension	Length	206±2mm(8.11inch)
	Width	166±2mm(6.54inch)
	Height	470±2mm(18.5inch)
	Total Height	525±2mm(20.67inch)
Approx Weight	Approx. 37kg(+/-4%)	
Terminal Type	M8	
container Material	ABS	
Internal Resistance	Approx.0.75mΩ	
Rated Capacity	545AH	(20hr, 1.80V/cell,25°C/77°F)
	500AH	(10hr, 1.80V/cell,25°C/77°F)
	446AH	(5hr, 1.75V/cell,25°C/77°F)
	396AH	(3hr, 1.75V/cell,25°C/77°F)
	231AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Charge Current	100A	
Max. Discharge Current	2000A	
Short Circuit Current	2600A	
Self Discharge	Approx. 2% per month @ 20°C	
Float Charge Voltage (20~25°C)	2.25-2.29V (-3mV / C/ cell)	
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV / C/ cell)	
Ambient Temperature	Discharge: -40~65°C	
	Charge: -30~65°C	
	Storage: -25~45°C	



Dimensions



Constant Power Discharge at 25°C(77°F)

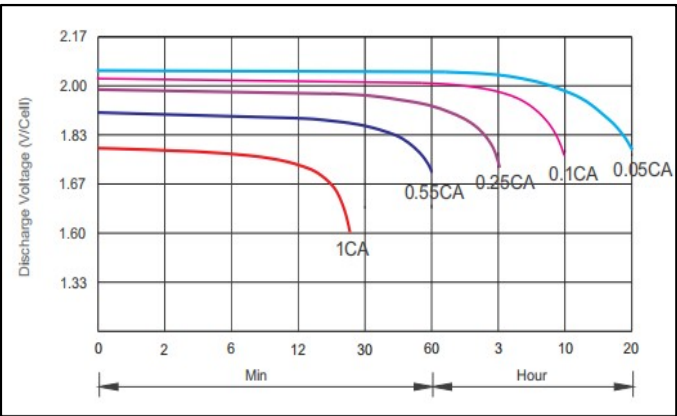
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V/cell	347	338	318	269	231,0	195,0	145,0	104,0	88,4
1.85V/cell	526	484	420	334	278,0	226,0	165,0	114,0	95,6
1.80V/cell	669	609	496	396	306,0	245,0	168,0	116,0	97,4
1.75V/cell	697	659	573	425	316,0	248,0	169,0	117,0	97,2

Constant Current Discharge at 25°C(77°F)

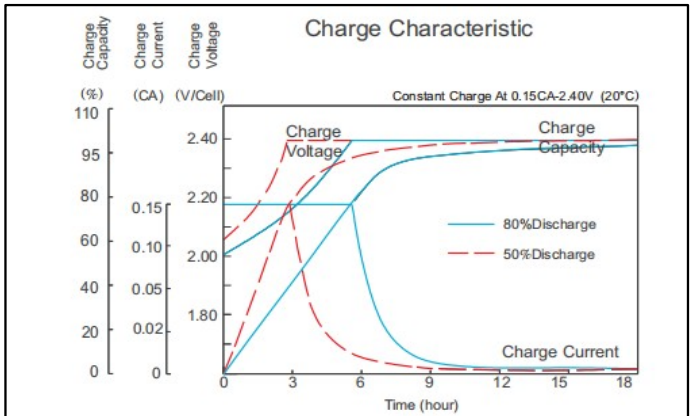
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V/cell	180,0	175,0	163,0	137,0	117,0	98,0	72,6	51,9	43,8
1.85V/cell	282,0	258,0	222,0	175,0	144,0	116,0	83,8	57,7	48,1
1.80V/cell	367,0	333,0	269,0	212,0	162,0	129,0	87,5	60,3	50,0
1.75V/cell	390,0	366,0	315,0	231,0	169,0	132,0	89,2	61,3	50,5

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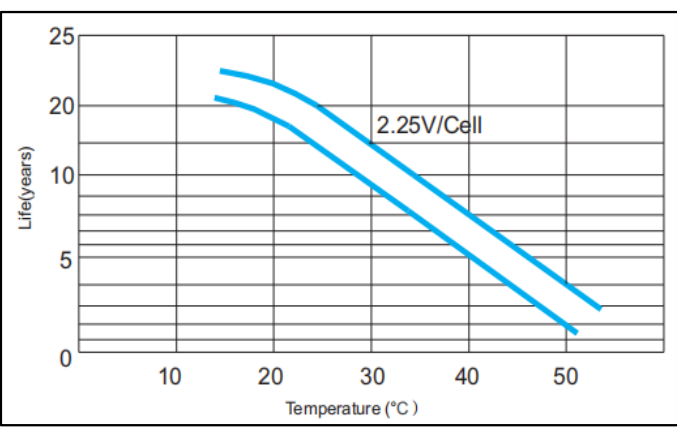
Discharge Characteristics



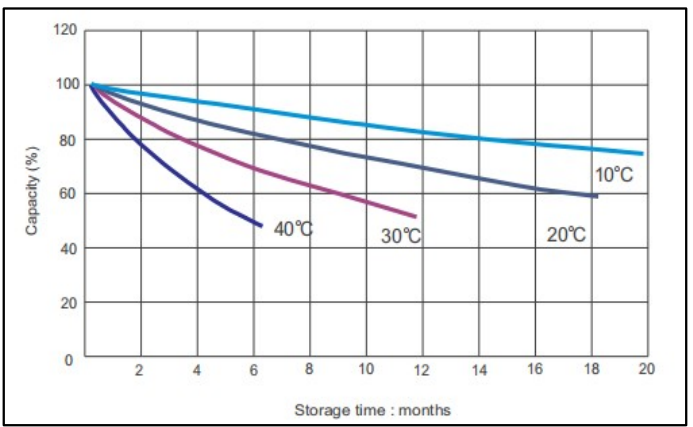
Charge Characteristics



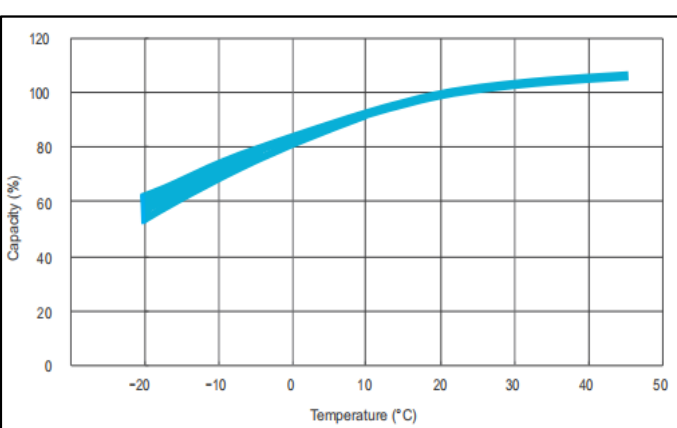
Floating Life on Temperature



Self Discharge Characteristics (25°C(77°F)



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

