

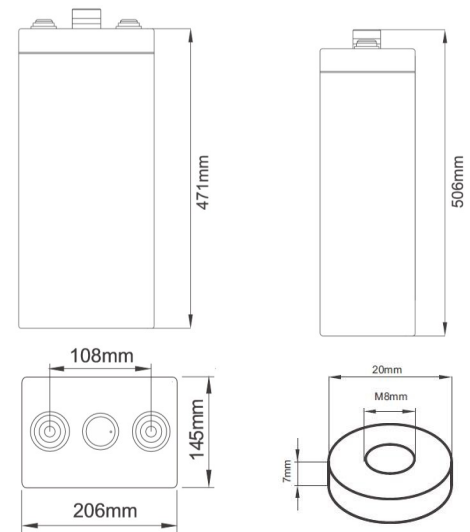
OPzV SERIES 6OPzV420(2V420AH/10HR)

Specifications

Nominal Voltage	2V	
Nominal Capacity(10hr)	420AH	
Dimension	Length	206±2mm(8.11inch)
	Width	145±2mm(5.71inch)
	Height	470±2mm(18.5inch)
	Total Height	525±2mm(20.67inch)
Approx Weight	Approx. 32.5kg(+/-4%)	
Terminal Type	M8	
container Material	ABS	
Internal Resistance	Approx.0.7mΩ	
Rated Capacity	462AH	(20hr, 1.80V/cell,25°C/77°F)
	433AH	(10hr, 1.80V/cell,25°C/77°F)
	382AH	(5hr, 1.75V/cell,25°C/77°F)
	339AH	(3hr, 1.75V/cell,25°C/77°F)
	198AH	(1hr, 1.75V/cell,25°C/77°F)
Max. Charge Current	84A	
Max. Discharge Current	1500A	
Short Circuit Current	3400A	
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)

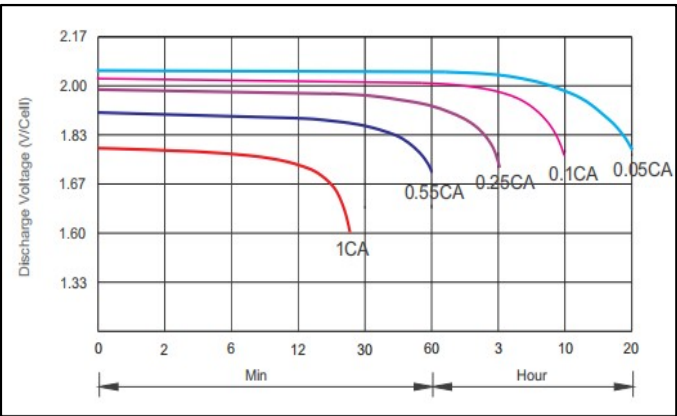
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V/cell	297	290	273	231	198,0	167,0	125,0	89,5	74,3
1.85V/cell	451	415	360	286	238,0	194,0	141,0	98,0	80,3
1.80V/cell	573	522	425	339	263,0	210,0	144,0	100,0	81,8
1.75V/cell	598	564	491	364	271,0	213,0	145,0	101,0	83,3

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

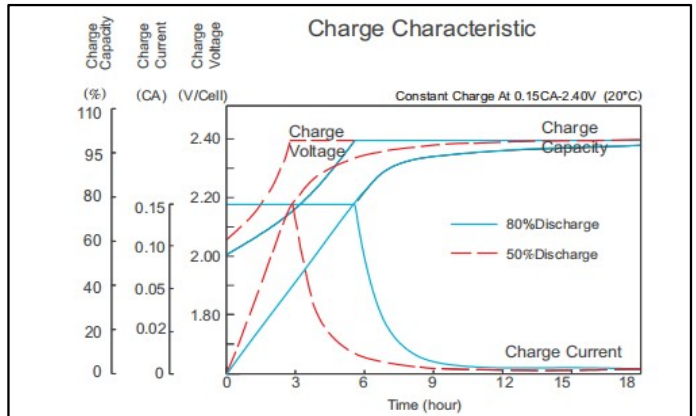
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.90V/cell	154,0	150,0	140,0	118,0	100,0	84,0	62,2	44,5	36,8
1.85V/cell	241,0	221,0	190,0	150,0	123,0	100,0	71,8	49,4	40,4
1.80V/cell	315,0	286,0	230,0	182,0	139,0	110,0	75,0	51,7	42,0
1.75V/cell	334,0	314,0	270,0	198,0	145,0	113,0	76,4	52,5	43,3

**OPzV SERIES
60PzV420(2V420AH/10HR)**

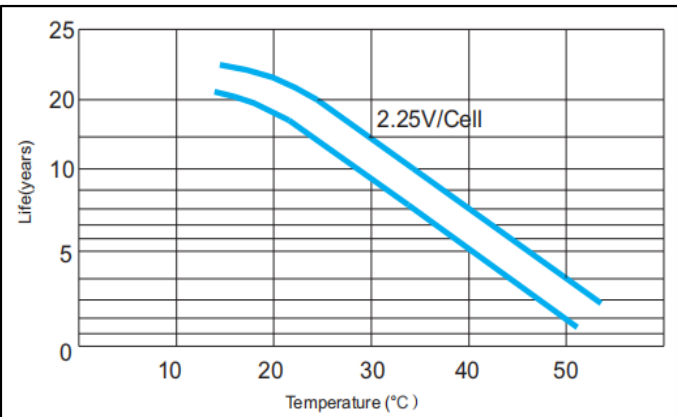
Discharge Characteristics



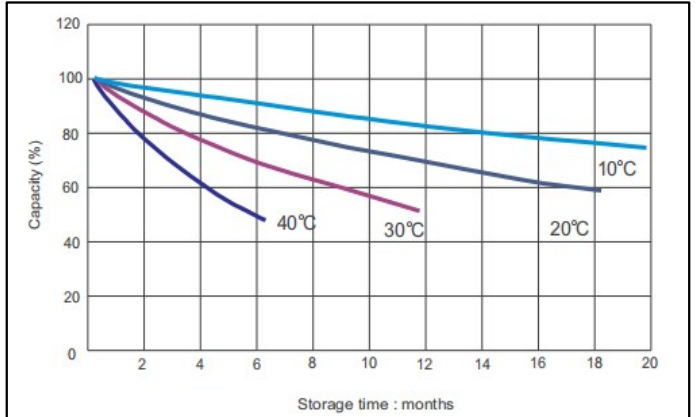
Charge Characteristics



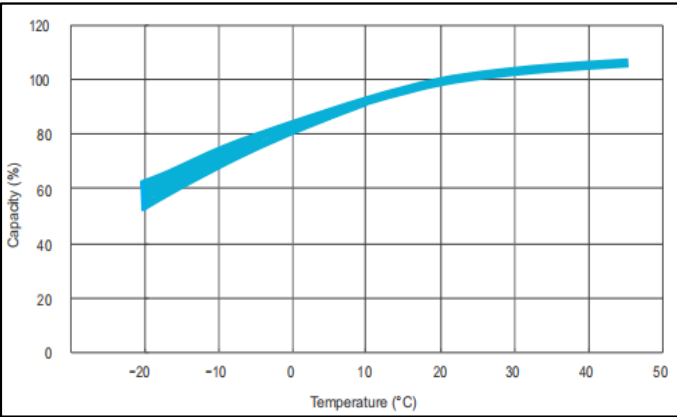
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

