

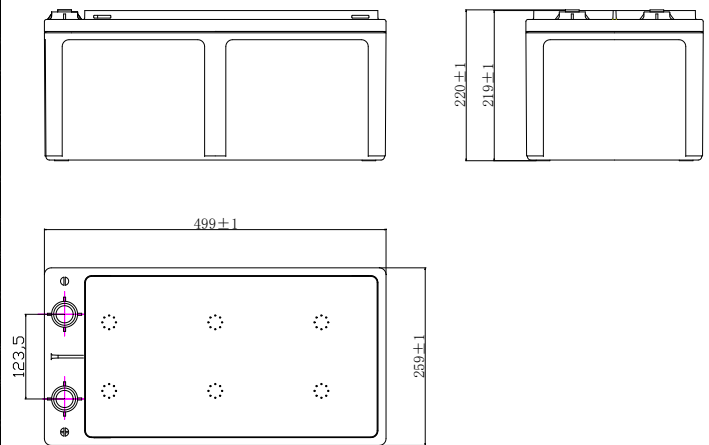
OPZV12-200 (12V200Ah)

Specifications

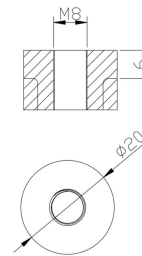
Nominal Voltage		12 V
Capacity (25°C)	20HR	215Ah
	10HR	200Ah
	5HR	182Ah
Dimension	Length	499±2mm (19.65inch)
	Width	259±2mm (10.20inch)
	Height	219±2mm (8.62inch)
	Total Height	220±2mm (8.66inch)
Approx. Weight		74kg ±3%
Terminal type		M8
Internal resistance (Fully charged, 25°C)		Approx. 5mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C±3°C(77°F±5°F)
Operating temperature range	Discharge	-40°C~60°C(-40°F~140°F)
	Charge	-0°C~40°C(32°F~104°F)
	Storage	-20°C~40°C(-4°F~104°F)
Float charging voltage(25°C)		13.3 to 13.5V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.1 to 14.4V Temperature compensation: -30mV/°C
Maximum charging current		40A
Maximum discharge current		1200A(5 sec.)
Designed floating life(20°C)		10~15 years



Dimensions



Terminal



Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.90V/cell	150	107.0	64.7	48.6	39.0	32.9	28.1	24.2	21.3	18.8	9.63
1.85V/cell	172	120.3	71.2	51.1	40.3	35.0	30.4	25.8	22.6	19.7	10.30
1.80V/cell	190	127.0	75.9	54.2	42.6	35.6	30.8	26.7	24.0	20.0	10.75
1.75V/cell	200	129.8	78.0	55.0	43.6	36.2	31.4	27.6	24.6	20.4	11.00

Constant Power Discharge Characteristics (Watt, 25°C)

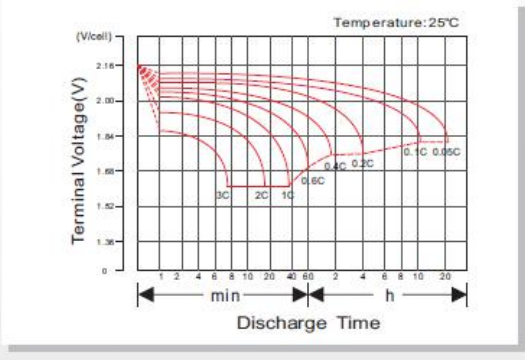
F.V/Time	30MIN	60MIN	2HR	3HR	4HR	5HR	6HR	7HR	8HR	10HR	20HR
1.90V/cell	1692	1236	756.0	574.8	458.4	388.8	332.4	285.6	250.8	222.0	114.72
1.85V/cell	1992	1380	822.0	595.2	471.6	409.2	357.6	298.8	264.0	231.6	122.44
1.80V/cell	2172	1476	882.0	628.8	494.4	415.2	358.8	306.4	279.6	232.5	127.55
1.75V/cell	2280	1500	914.4	633.6	501.6	420.0	362.4	315.6	284.4	239.2	132.79

Note: The above characteristics data can be obtained within three charge/discharge cycles.

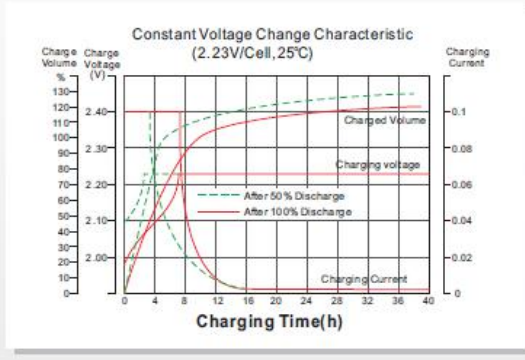
Construction

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Tuble Plate	Lead	ABS	ABS	PE	GEL	Rubber	Copper

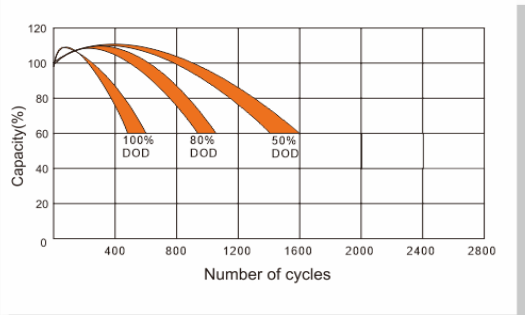
Discharge Characteristics Curve



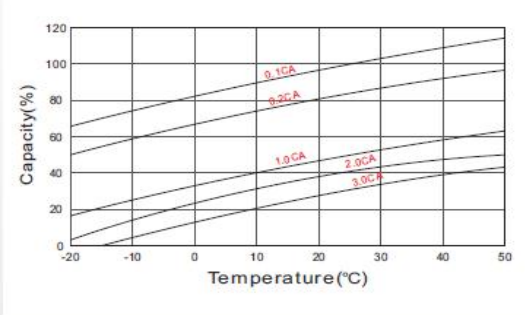
Charging Characteristics Curve



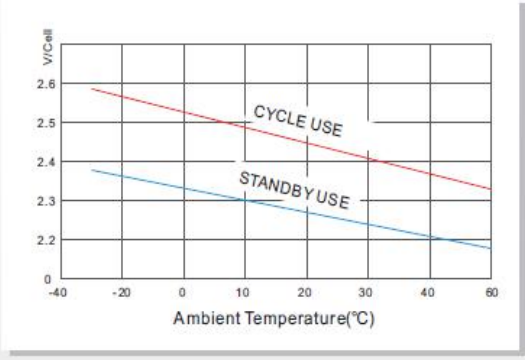
Cycle life in relation to depth of Discharge



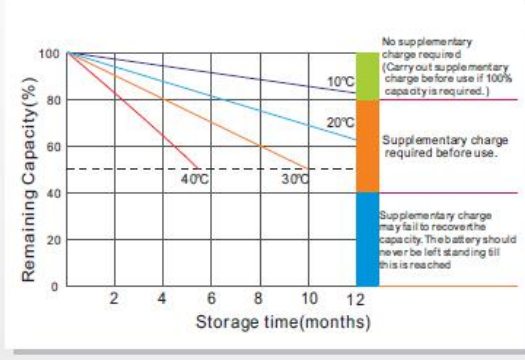
Temperature effects on Capacity



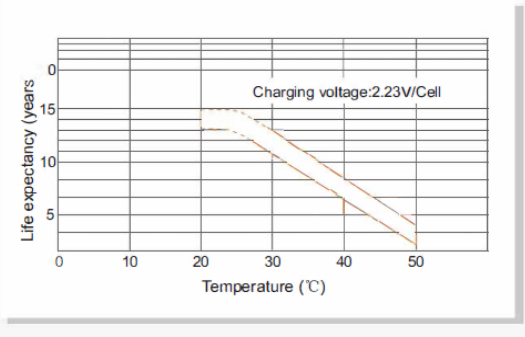
Relationship between charging voltage and temperature



Self-discharge Characteristics



Temperature effects on Float life



Life Characteristics of Standby use

