



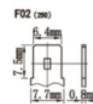
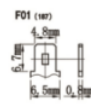
VP7-12(12V7Ah/at c20)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	7Ah@20hour-rate to 1.80V per cell @25°C
Weight	Approx. 1.75 Kg (Tolerance $\pm 3.0\%$)
Internal Resistance	Approx. 30.8 m Ω
Terminal	F02
Design Life	5 years (Float charging at 25°C)
Max. Charging Current	2.1 A
Reference Capacity	C3 3.0AH C5 4.5AH C10 6.5AH C20 7.0AH
Standby Use Voltage	13.5 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.4 V~15.0 V @ 25°C Temperature Compensation: -5mV/°C/Cell
Operating Temperature Range	-20°C~55°C
Normal Operating Temperature Range	25°C $\pm$ 5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 3 months at 25°C and then recharging is recommended. Please charge batteries before using.



Dimensions



Length	151 $\pm$ 1.5mm
Width	65 $\pm$ 1mm
Height	94 $\pm$ 1mm
Total Height	100 $\pm$ 1mm

Unit: mm

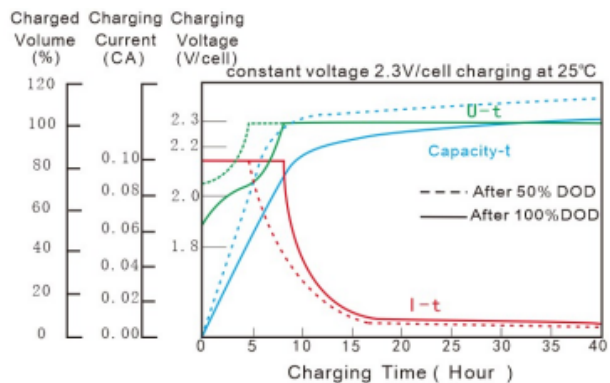
Constant Current Discharge Characteristics : A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	14.7	11.8	6.04	3.25	2.66	2.03	1.52	0.956	0.635	0.533	0.282
9.90V	14.1	11.2	5.75	3.18	2.58	1.99	1.48	0.933	0.622	0.528	0.280
10.2V	13.4	10.7	5.48	3.10	2.52	1.93	1.44	0.910	0.610	0.523	0.277
10.5V	13.2	10.4	5.32	3.08	2.49	1.88	1.41	0.899	0.603	0.518	0.275
10.8V	12.9	10.2	5.12	3.05	2.43	1.79	1.36	0.881	0.598	0.512	0.272

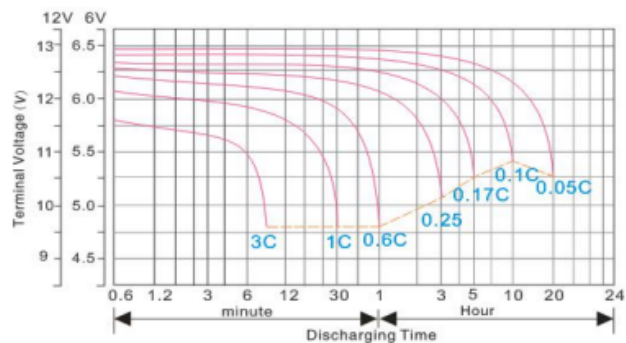
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	175	141	79.7	42.0	32.3	24.3	17.4	11.4	7.97	6.33	3.41
9.90V	166	134	75.8	41.1	31.5	23.7	16.9	11.2	7.81	6.26	3.37
10.2V	158	128	72.3	40.0	30.7	23.1	16.5	10.9	7.65	6.20	3.34
10.5V	153	124	70.8	39.4	30.3	22.8	16.1	10.8	7.60	6.10	2.87
10.8V	147	120	68.7	38.8	29.8	22.5	15.9	10.7	7.52	6.00	2.82

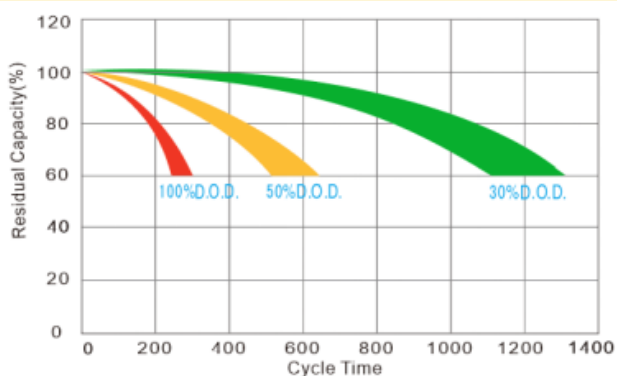
Charge Characteristics (25°C/77°F)



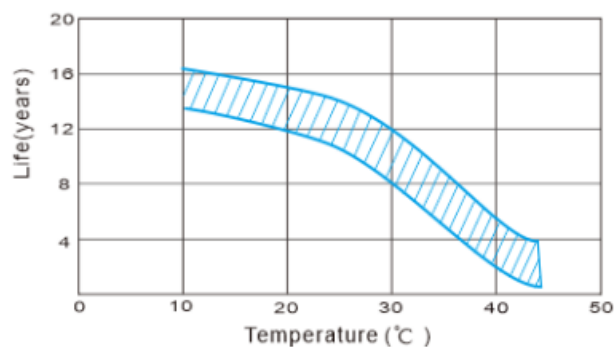
Discharge Characteristic (25°C/77°F)



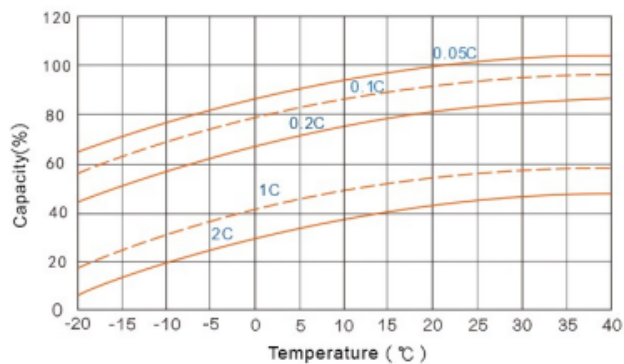
Cycle Life in Relation to Depth of Discharge



Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics

