



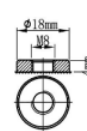
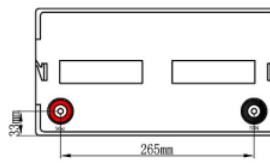
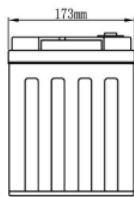
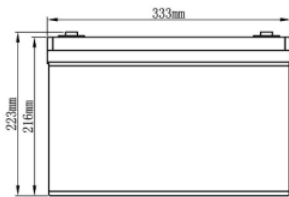
VP100-12(12V100Ah/at c20)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	100Ah@20hour-rate to 1.80V per cell @25°C
Weight	Approx. 27.5 Kg (Tolerance ±3.0%)
Internal Resistance	Approx. 5.7 mΩ
Terminal	T13
Design Life	12 years (Float charging at 25°C)
Max. Charging Current	20.0 A
Reference Capacity	C3 67.5AH C5 76.5AH C10 95.0AH C20 100.0AH
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 ±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	333±2mm
Width	173±2mm
Height	216±2mm
Total Height	223±2mm
Terminal	Value
M5	2~3 N*m
M6	3.5~5.4 N*m
M8	14~19 N*m

Unit: mm

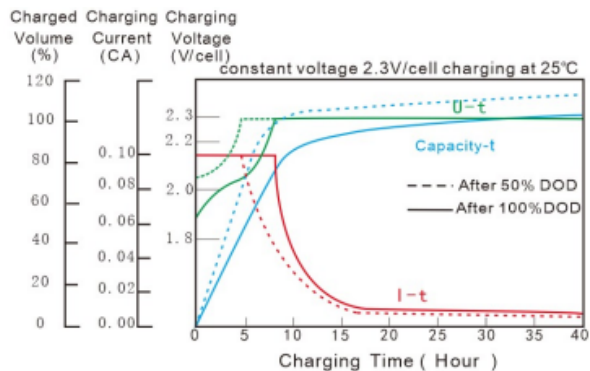
Constant Current Discharge Characteristics : A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	219	173	97	57	45.0	38.1	23.4	16.3	11.2	9.37	4.87
9.90V	209	165	93	56	44.1	37.1	23.0	15.9	11.0	9.27	4.82
10.2V	199	157	88	54	43.2	36.2	22.5	15.6	10.8	9.18	4.77
10.5V	189	149	84	53	42.3	35.4	22.1	15.3	10.5	9.09	4.73
10.8V	142	142	80	52	41.4	34.5	21.6	14.9	10.4	9.00	4.68

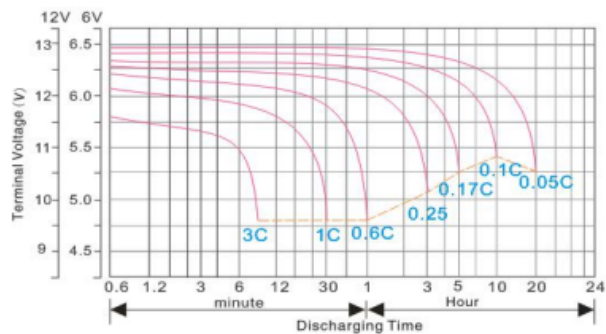
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	2442	2024	1253	730	533	399	297	192	145	112	60.4
9.90V	2327	1928	1193	713	519	389	290	187	142	111	59.5
10.2V	2216	1835	1136	695	507	379	283	183	140	110	59.2
10.5V	2111	1748	1082	678	494	370	275	178	137	109	58.6
10.8V	2010	1665	1031	662	482	361	269	174	134	108	58.1

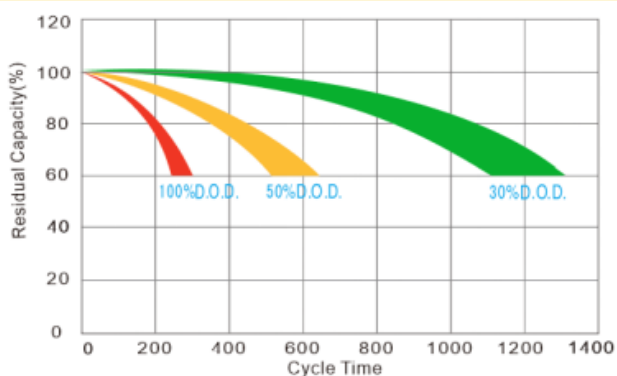
Charge Characteristics (25°C/77°F)



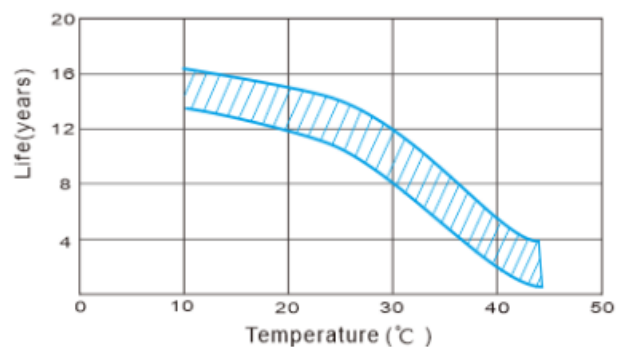
Discharge Characteristic (25°C/77°F)



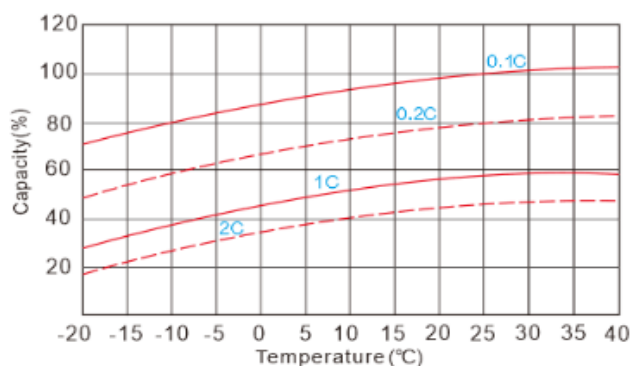
Cycle Life in Relation to Depth of Discharge



Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics

