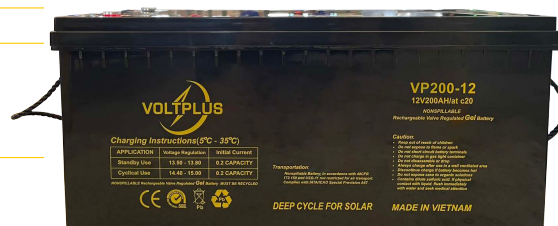




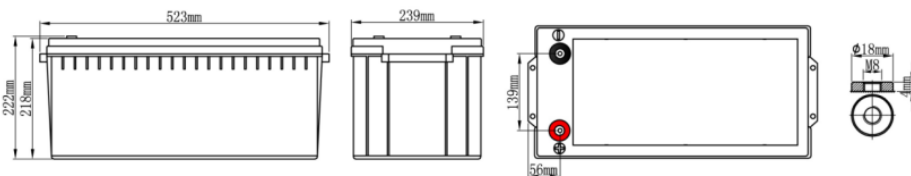
VP200-12(12V200Ah/at c20)

Specification

Cells Per Unit	6
Voltage Per Unit	12
Nominal Capacity	200Ah@20hour-rate to 1.80V per cell @25°C
Weight	Approx. 57 Kg (Tolerance $\pm 3.0\%$)
Internal Resistance	Approx. 3.9 m Ω
Terminal	T41
Design Life	12 years (Float charging at 25°C)
Max. Charging Current	40.0 A
Reference Capacity	C3 135.0AH C5 153.0AH C10 190.0AH C20 200.0AH
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 $\pm 5^\circ\text{C}$
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	523 ± 2 mm
Width	239 ± 2 mm
Height	218 ± 2 mm
Total Height	222 ± 2 mm
Terminal	Value
M5	2~3 N*m
M6	3.5~5.4 N*m
M8	14~19 N*m

Unit: mm

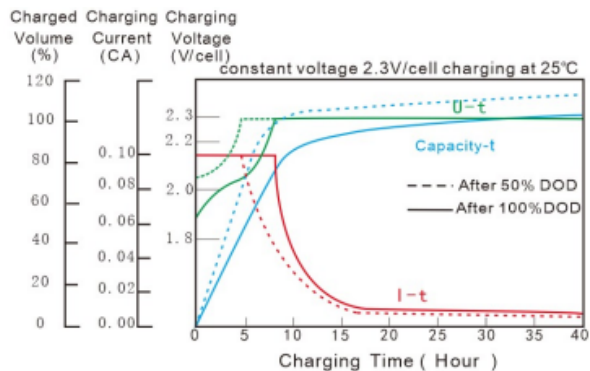
Constant Current Discharge Characteristics : A (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	437	346	194	113	90	76	46.8	32.6	22.3	18.7	9.74
9.90V	418	329	185	112	88	74	46.1	31.9	22.0	18.5	9.65
10.2V	398	313	176	108	86	72	45.0	31.1	21.6	18.4	9.54
10.5V	378	299	167	106	85	71	44.3	30.6	21.1	18.2	9.45
10.8V	360	284	160	104	83	69	43.2	29.7	20.7	18.0	9.36

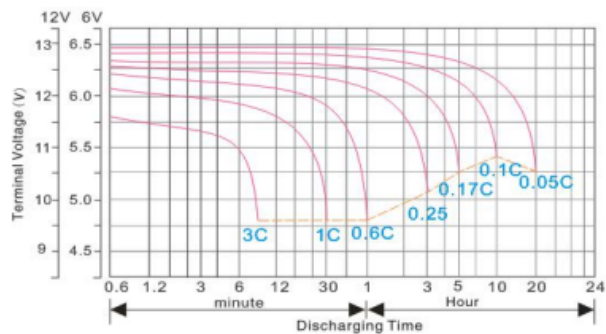
Constant Power Discharge Characteristics : WPC (25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	1.5HR	2HR	3HR	5HR	8HR	10HR	20HR
9.60V	4885	4048	2506	1460	1066	797	594	383	290	225	121
9.90V	4653	3856	2385	1426	1039	778	580	374	285	222	120
10.2V	4432	3672	2272	1390	1013	758	565	365	279	220	118
10.5V	4221	3497	2164	1355	988	740	551	356	274	218	117
10.8V	4019	3330	2061	1323	965	722	538	347	268	216	116

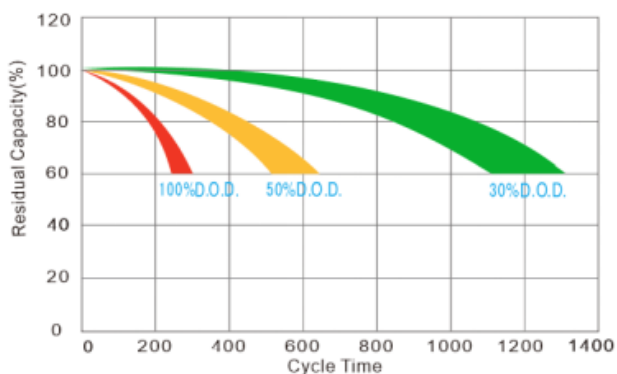
Charge Characteristics (25°C/77°F)



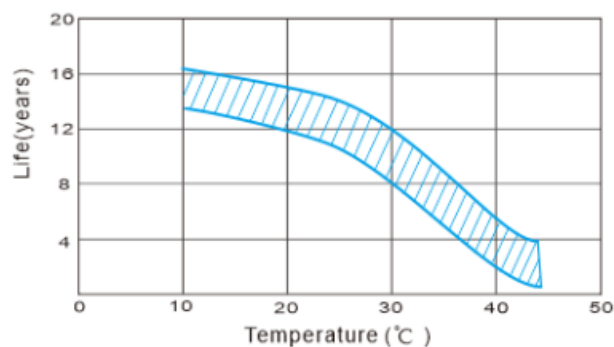
Discharge Characteristic (25°C/77°F)



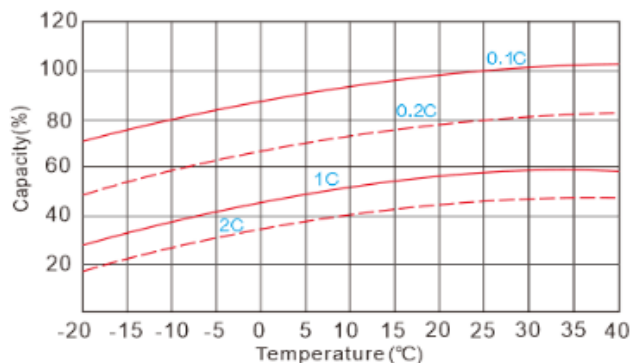
Cycle Life in Relation to Depth of Discharge



Temperature vs Float Life



Capacity Curve At Different Temperature



Self Discharge Characteristics

