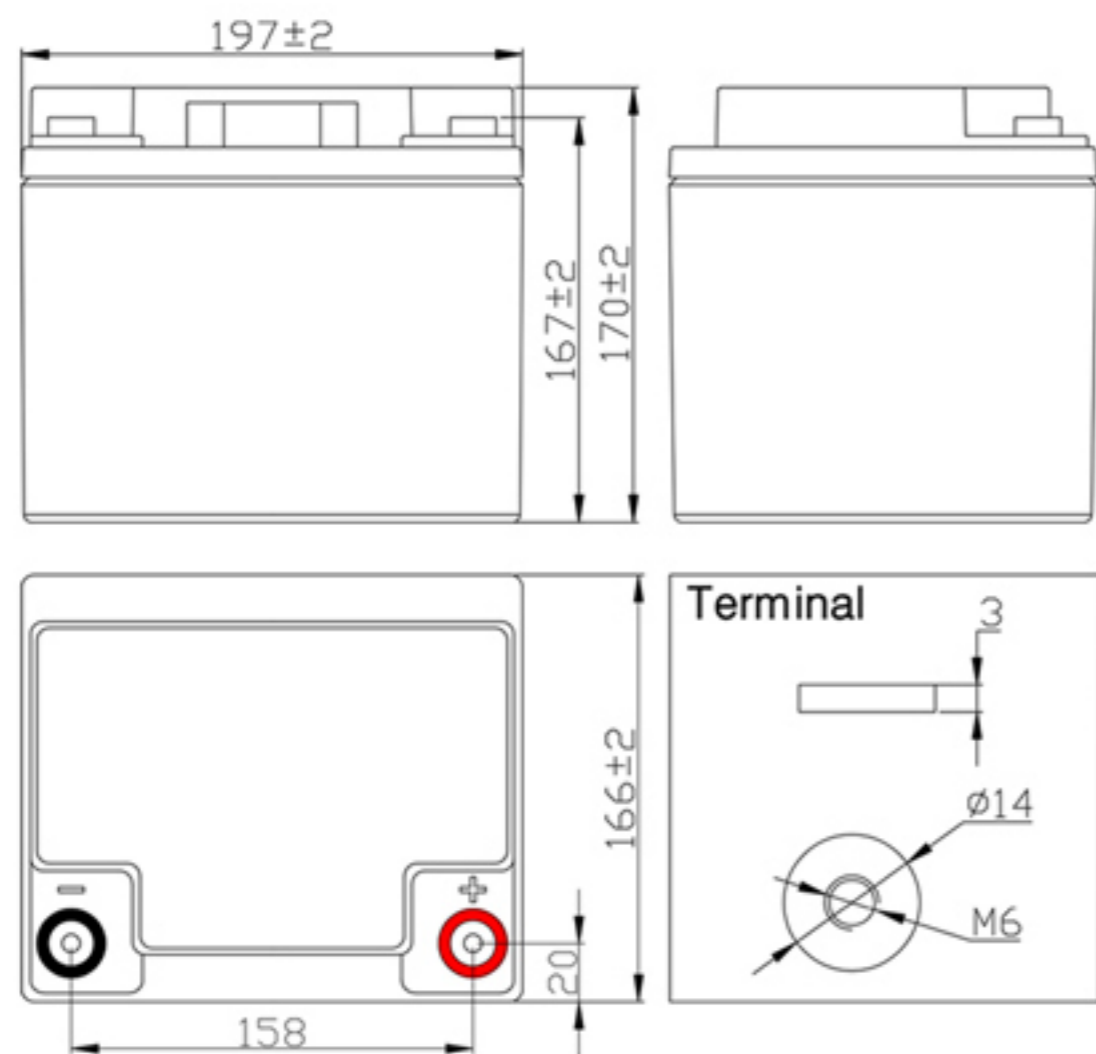


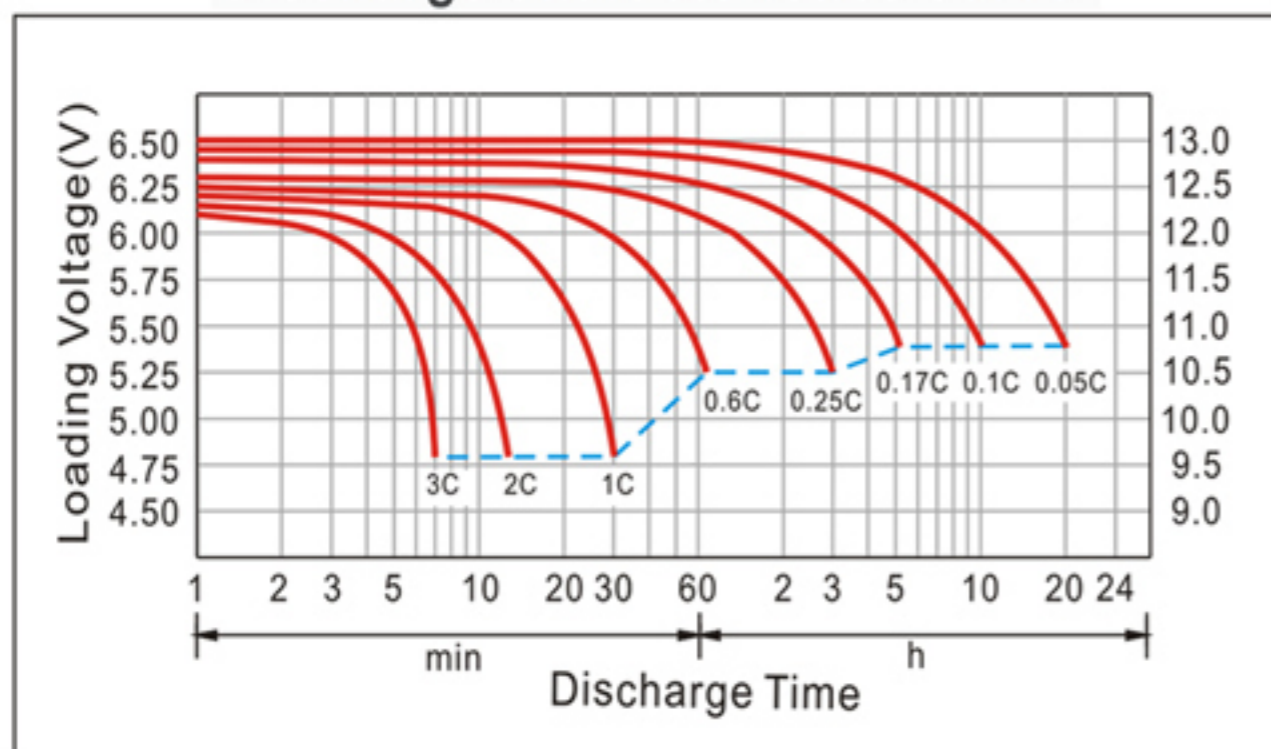
VM Series SLA Battery



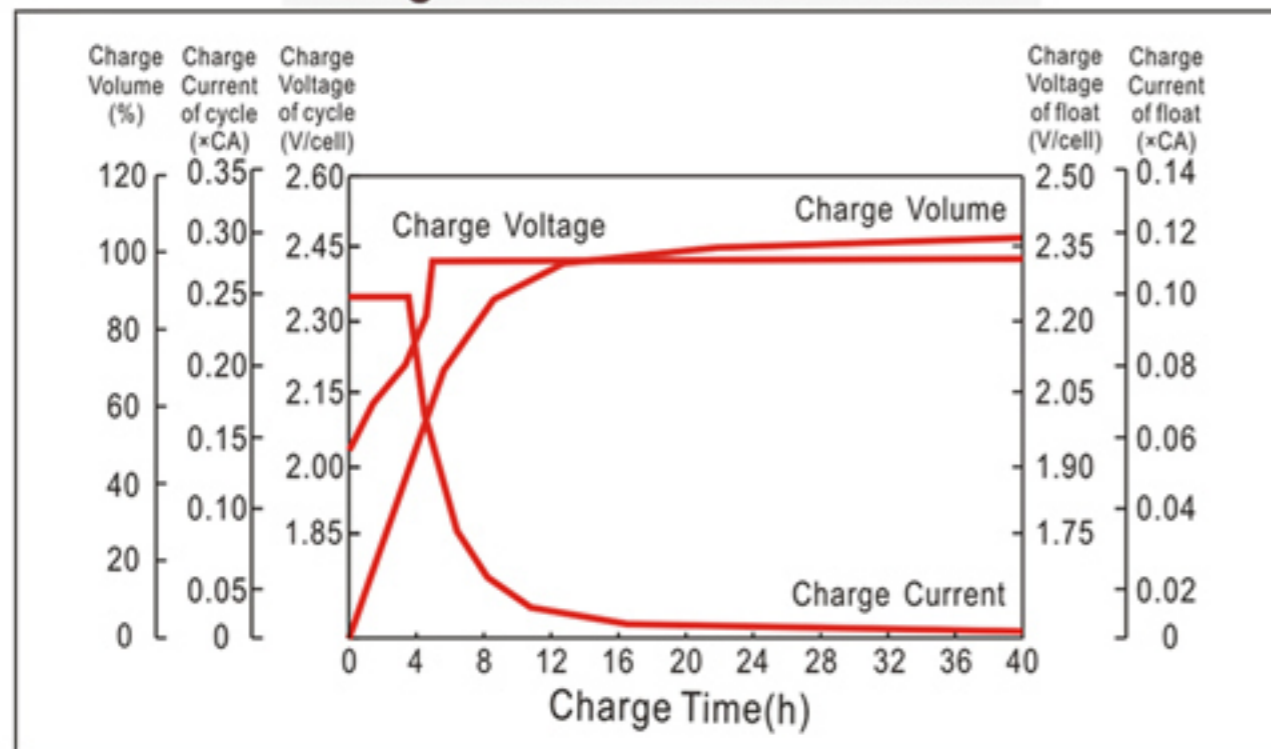
Specifications

Nominal Voltage (V)	12V (6 cells in series)	
Rated Capacity	42.0Ah	(C ₁₀ , 1.80V/cell)
Dimensions(mm)	Length	197 ± 2 mm
	Width	166 ± 2 mm
	Height	170 ± 2 mm
	Total Height	170 ± 2 mm
Nominal Capacity @25°C (Ah)	20 Hour rate (2.144A to 10.8 volts)	42.8Ah
	10 Hour rate (4.040A to 10.8 volts)	40.4Ah
	5 Hour rate (6.916A to 10.8 volts)	34.5Ah
	1 Hour rate (25.32A to 10.5 volts)	25.3Ah
Approx. Weight	12.5 kg	
Terminal	T11	
Max.Discharge Current	320A @25°C (5s)	
Internal Resistance	9.5mΩ @25°C (Full Charged Battery)	
Floating Design Life	10 years @25°C	
Ambient Temperature	Charge:	-15°C~50°C
	Discharge:	-20°C~60°C
	Storage:	-20°C~50°C
Container Material	A.B.S , UL94-HB , UL94-V0 , Optional	
Self Discharge	VRLA batteries can be stored for more than 6 months at 25°C. Self-Discharge ratio less than 3% per month at 25°C. Please charge batteries before using.	

Discharge Characteristics Curve



Charge Characteristics Curve



Constant Current Discharge Characteristics (A,25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	134.0	86.00	70.00	45.00	26.00	15.54	10.75	7.212	4.968	4.200	2.304
1.70V/cell	118.0	78.00	67.00	43.80	25.64	15.34	10.62	7.128	4.888	4.120	2.224
1.75V/cell	106.0	72.00	63.40	42.60	25.32	15.14	10.50	7.020	4.840	4.080	2.184
1.80V/cell	92.00	65.20	59.40	40.96	24.80	14.93	10.30	6.916	4.768	4.040	2.144

Constant Wattage Discharge Characteristics (Watt,25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	231.2	153.4	127.2	84.00	49.83	30.30	21.32	14.34	9.886	8.365	4.604
1.70V/cell	208.5	141.7	123.4	82.49	49.36	30.04	21.12	14.21	9.752	8.226	4.448
1.75V/cell	189.9	132.6	117.8	80.94	48.95	29.78	20.93	14.03	9.680	8.160	4.368
1.80V/cell	167.1	121.7	111.4	78.51	48.15	29.62	20.58	13.83	9.536	8.080	4.288