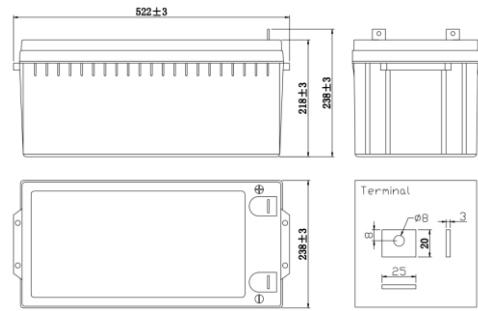
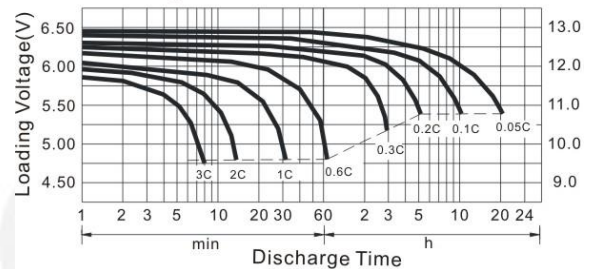


# PQ12200XT9/T13 (12V 200Ah)

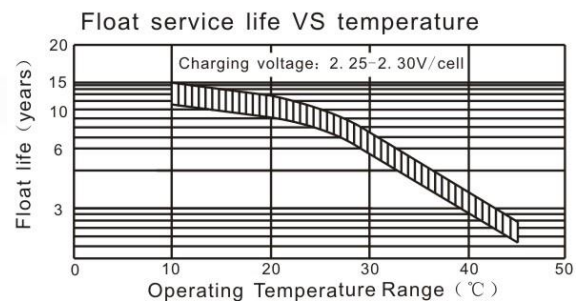
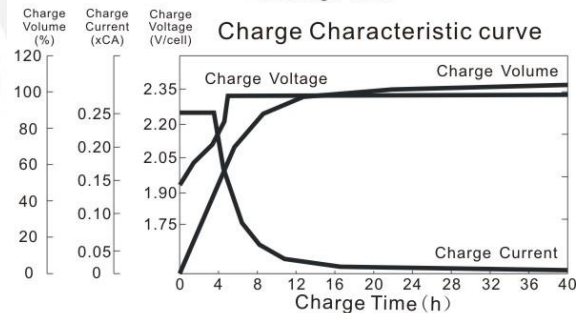


Specifications		PQ12200XT9/T13
Nominal Voltage		12V
Rated Capacity 77°F(25°C) (10HR)		200.0Ah
Dimensions (mm)	Length	522±3
	Width	238±3
	Height	218±3
	Total Height	238±3
Approx. Weight (kg)		55±3%
Terminal		T9

Discharge Characteristics 77°F (25°C)



Characteristic		
Capacity 77°F(25°C)	20HR (10.6A)	212.0Ah
	10HR (20.0A)	200.0Ah
	5HR (34.0A)	170.0Ah
	1HR (110.0A)	110.0Ah
	15 min rate (350A)	87.5Ah
Internal Resistance	Full Charged Battery	Approx.
	77°F(25°C)	3.5mΩ
Temperature dependence of capacity (10HR)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C) (Capacity after)	3 months	90%
	6 months	80%
	12 months	60%
Max. Discharge Current, 77°F(25°C)		1600A(5s)
Floating design life, 77°F(20°C)		10 years
Constant Voltage Charge, 77°F(25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current: 50 A
	Float	13.6~13.8V(-18mV/°C)



Constant Current Discharge Characteristics (A), 77°F(25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	680.0	440.0	350.0	200.0	116.2	72.06	53.12	35.90	24.00	20.86	10.90
1.70V/cell	646.0	418.0	334.2	191.2	112.0	69.30	51.90	35.24	23.76	20.66	10.80
1.75V/cell	616.0	392.0	328.2	187.2	110.0	68.00	50.88	34.60	23.26	20.30	10.70
1.80V/cell	578.0	362.0	322.4	183.6	108.2	66.82	50.00	34.00	23.00	20.00	10.60

Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	1207.0	799.4	641.6	368.4	215.0	134.5	100.0	68.22	46.00	40.68	21.26
1.70V/cell	1157.4	766.4	618.2	355.4	209.0	130.5	98.62	67.54	45.94	40.64	21.24
1.75V/cell	1114.0	725.2	612.6	351.2	207.2	129.2	97.52	66.88	45.36	40.26	21.22
1.80V/cell	1054.8	675.8	607.2	247.4	205.6	128.1	96.66	66.30	45.24	40.00	21.20