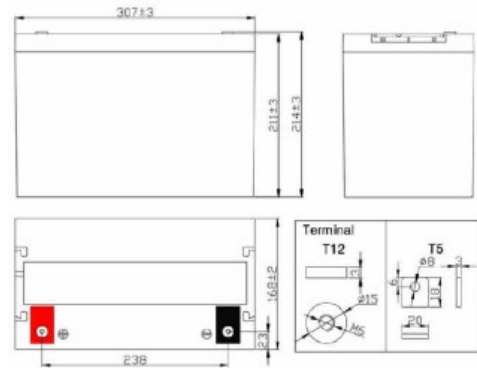


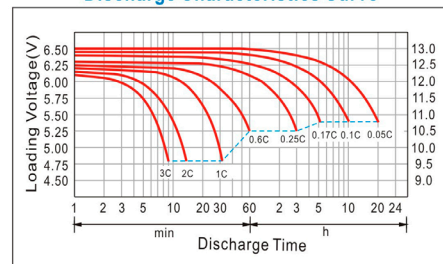
PQC1290T5 (12V 90Ah)



Unit: mm

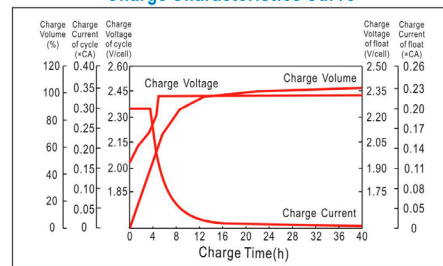
Specifications		PQC1290T5
Nominal Voltage		12V
Rated Capacity		90Ah
Dimensions (mm)	Length	307
	Width	168
	Height	211
	Total Height	229
Approx. Weight (kg)		26
Terminal		T5

Discharge Characteristics Curve

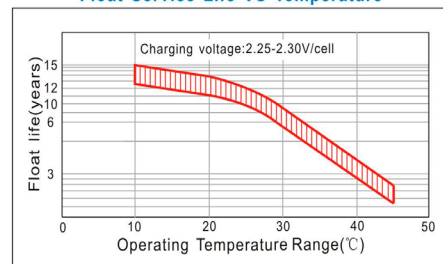


Characteristics		
Capacity 25°C	20HR (4.905A)	98.1Ah
	10HR (9.180A)	91.8Ah
	5HR (15.75A)	78.7Ah
	1HR (56.97A)	56.9Ah
Impedance	Fully charged battery	Approx.
	25°C	6mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		720A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 0.36 A
	Float	13.6~13.8V(-18mV/°C)

Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	306.0	203.9	163.3	101.3	58.50	34.97	24.84	16.63	11.18	9.540	5.220
1.70V/cell	274.5	187.7	155.3	98.55	57.69	34.52	24.39	16.24	11.00	9.405	5.085
1.75V/cell	247.5	173.3	148.1	95.85	56.97	34.07	24.12	15.99	10.89	9.315	4.995
1.80V/cell	220.5	158.0	139.1	92.16	55.80	33.60	23.85	15.75	10.73	9.180	4.905

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	527.9	363.5	296.6	189.0	112.1	68.18	49.27	33.07	22.24	19.00	10.43
1.70V/cell	485.0	340.9	285.9	185.6	111.1	67.59	48.50	32.36	21.94	18.78	10.17
1.75V/cell	443.4	319.1	275.1	182.1	110.1	66.99	48.08	31.96	21.78	18.63	9.990
1.80V/cell	400.6	294.8	260.7	176.6	108.3	66.63	47.66	31.50	21.46	18.36	9.810