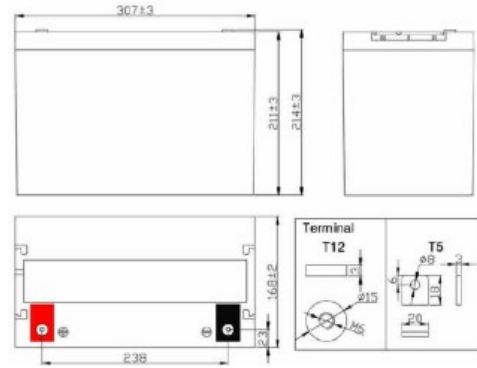


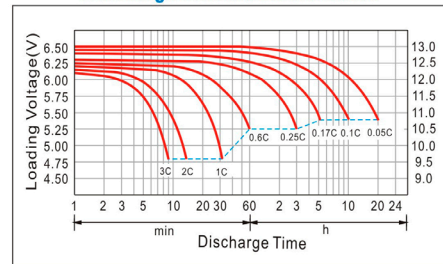
# PQC1290T5 (12V 90Ah)



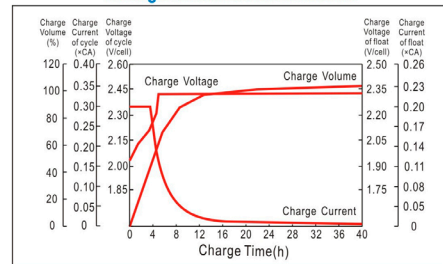
Specifications		PQC1290T5
Nominal Voltage		12V
Rated Capacity		90Ah
Dimensions (mm)	Length	307
	Width	168
	Height	211
	Total Height	229
Approx. Weight (kg)		26
Terminal		T5

Unit: mm

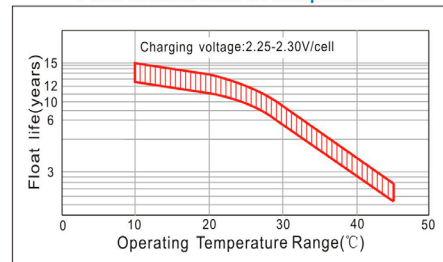
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



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	14.4~14.7V(-24mV/°C) max. current: 0.3 A
	Float	13.5~13.8V(-18mV/°C) max. current 0.2CA

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