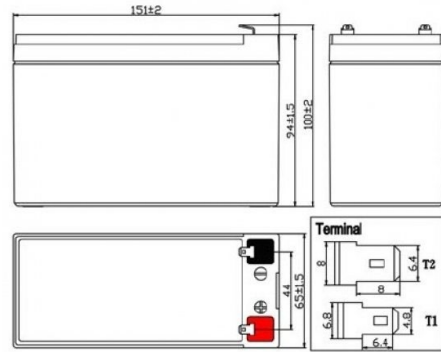


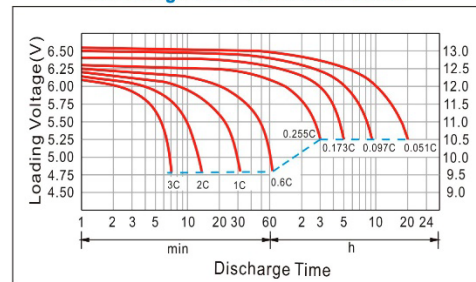
PQC1207S5T1-T2 (12V 7.5Ah)



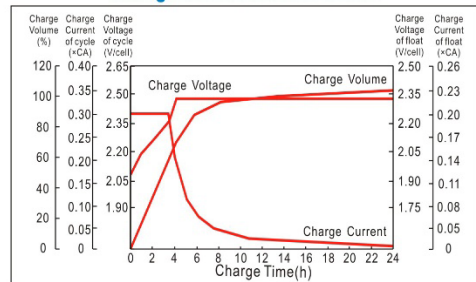
Specifications		PQC1207S5T1-T2
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		7.5Ah
Dimensions (mm)	Length	151
	Width	65
	Height	94
	Total Height	100
Approx. Weight (kg)		2.3 kg
Terminal		T1-T2

Characteristics		
Capacity (25°C)	20HR (0.386A)	7.72Ah
	10HR (0.738A)	7.38Ah
	5HR (1.319A)	6.59Ah
	1HR (4.875A)	4.87Ah
	15min rate (14.44A)	3.61Ah
Impedance	Fully charged battery (25°C)	Approx. 18mΩ
	Temperature dependence of capacity (20HR)	
	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		112.5A(5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.7~15.0V(-24mV/°C) max. current: 0.3CA
	Float	13.5~13.8V(-18mV/°C) max. current: 0.2CA

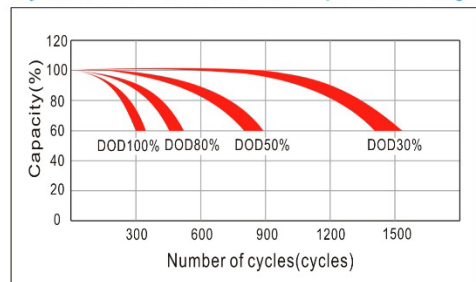
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	29.59	19.39	14.44	7.688	4.875	2.747	2.000	1.349	0.893	0.765	0.410
1.70V/cell	26.85	17.96	13.61	7.463	4.766	2.704	1.951	1.330	0.880	0.746	0.395
1.75V/cell	24.11	16.84	12.86	7.238	4.706	2.681	1.931	1.319	0.872	0.738	0.386
1.80V/cell	21.64	15.75	12.11	7.013	4.639	2.659	1.909	1.304	0.860	0.727	0.371

Constant Wattage Discharge Characteristics (W/cell), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	53.50	35.38	26.59	14.67	9.669	5.447	3.987	2.692	1.782	1.527	0.819
1.70V/cell	49.45	33.38	25.52	14.37	9.493	5.385	3.895	2.655	1.757	1.491	0.790
1.75V/cell	45.01	31.85	24.33	14.05	9.381	5.345	3.859	2.636	1.743	1.477	0.776
1.80V/cell	40.75	30.06	23.11	13.73	9.254	5.304	3.818	2.609	1.721	1.455	0.744