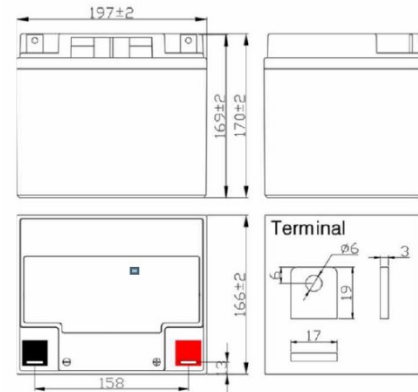
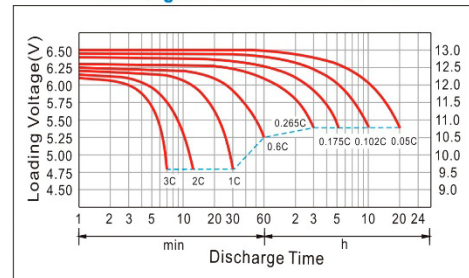


# PQC1240ST4 (12V 40Ah)



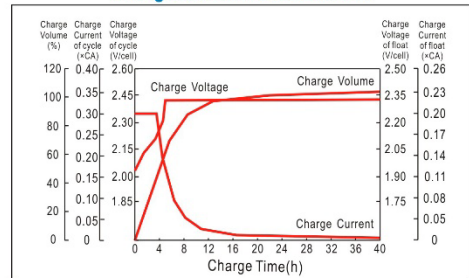
Specifications		PQC1240ST4
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		40Ah
Dimensions (mm)	Length	197
	Width	166
	Height	170
	Total Height	170
Approx. Weight (kg)		13.8 kg
Terminal		T4

**Discharge Characteristics Curve**

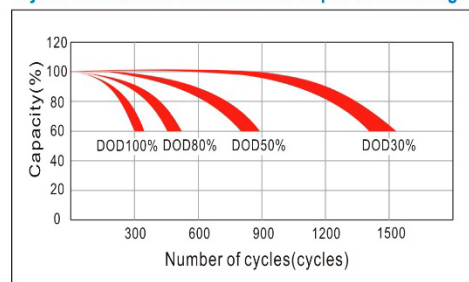


Characteristics		
Capacity (25°C)	20HR (2.180A)	43.6Ah
	10HR (4.080A)	40.8Ah
	5HR (7.000A)	35.0Ah
	1HR (25.32A)	25.3Ah
	Fully charged battery (25°C)	Approx. 8.0mΩ
Impedance	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Temperature dependence of capacity (20HR)	3 months	90%
	6 months	80%
	12 months	60%
Self-discharge (20°C) (remaining capacity)		
Max. discharge current (25°C)		320A(5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current: 0.3CA
	Float	13.5~13.8V(-18mV/°C) max. current: 0.2CA

**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	136.0	90.60	72.56	45.00	26.00	15.54	11.04	7.392	4.968	4.240	2.320	
1.70V/cell	122.0	83.40	69.00	43.80	25.64	15.34	10.84	7.216	4.888	4.180	2.260	
1.75V/cell	110.0	77.00	65.80	42.60	25.32	15.14	10.72	7.108	4.840	4.140	2.220	
1.80V/cell	98.00	70.20	61.80	40.96	24.80	14.93	10.60	7.000	4.768	4.080	2.180	

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	234.6	161.6	131.8	84.00	49.83	30.30	21.90	14.70	9.886	8.445	4.636	
1.70V/cell	215.5	151.5	127.1	82.49	49.36	30.04	21.55	14.38	9.752	8.346	4.520	
1.75V/cell	197.1	141.8	122.3	80.94	48.95	29.78	21.37	14.20	9.680	8.280	4.440	
1.80V/cell	178.0	131.0	115.9	78.51	48.15	29.62	21.18	14.00	9.536	8.160	4.360	