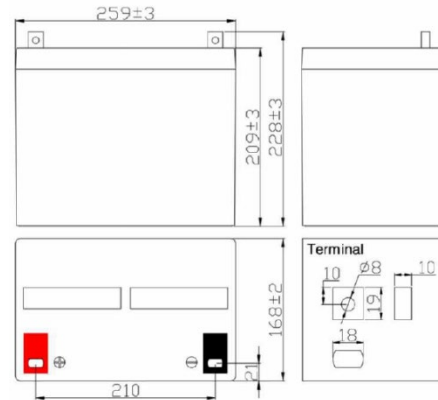


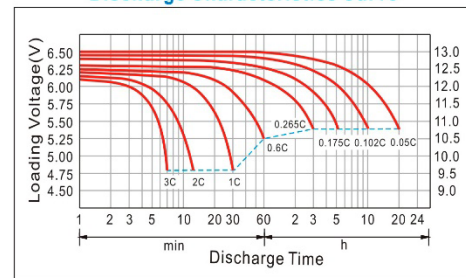
PQC1270ST16 (12V 70Ah)



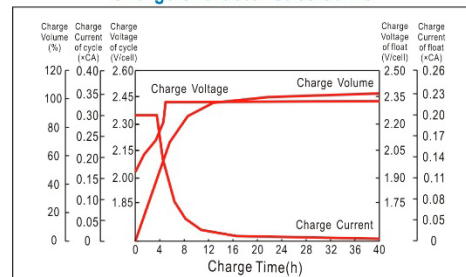
Specifications		PQC1270ST16
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		70Ah
Dimensions (mm)	Length	259
	Width	168
	Height	209
	Total Height T12	214
	Total Height T5	228
Approx. Weight (kg)		21.5 kg
Terminal		T16

Characteristics		
Capacity (25°C)	20HR (3.815A)	76.3Ah
	10HR (7.140A)	71.4Ah
	5HR (12.25A)	61.2Ah
	1HR (44.31A)	44.3Ah
Impedance	Fully charged battery (25°C)	Approx. 7.5mΩ
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)		560A(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

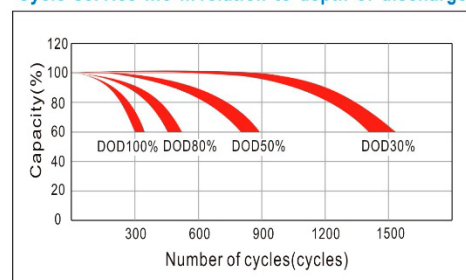
Discharge Characteristics Curve



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	238.0	158.6	127.0	78.75	45.50	27.20	19.32	12.94	8.694	7.420	4.060
1.70V/cell	213.5	146.0	120.8	76.65	44.87	26.85	18.97	12.63	8.554	7.315	3.955
1.75V/cell	192.5	134.8	115.2	74.55	44.31	26.50	18.76	12.44	8.470	7.245	3.885
1.80V/cell	171.5	122.9	108.2	71.68	43.40	26.13	18.55	12.25	8.344	7.140	3.815

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	410.6	282.7	230.7	147.0	87.21	53.03	38.32	25.72	17.30	14.78	8.113
1.70V/cell	377.2	265.1	222.4	144.4	86.37	52.57	37.72	25.17	17.07	14.61	7.910
1.75V/cell	344.9	248.2	214.0	141.6	85.67	52.11	37.39	24.86	16.94	14.49	7.770
1.80V/cell	311.6	229.3	202.8	137.4	84.27	51.83	37.07	24.50	16.69	14.28	7.630