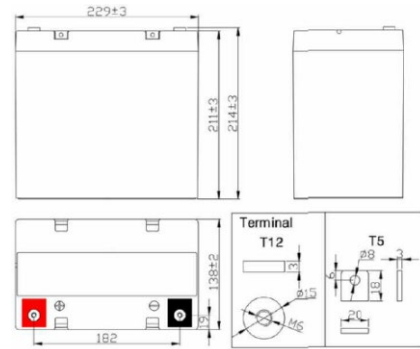
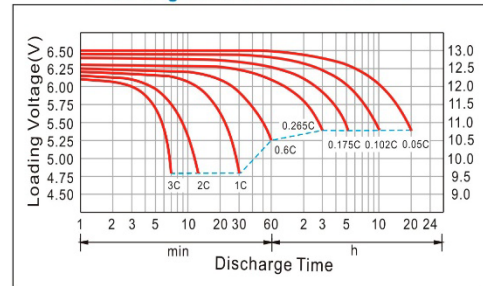


# PQC1255ST12/T5 (12V 55Ah)



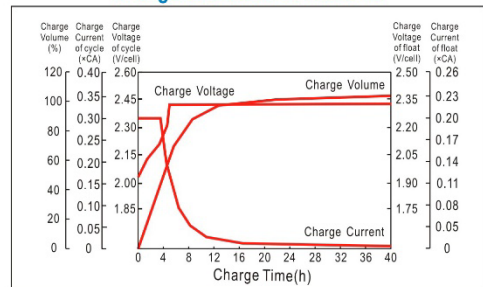
Specifications		PQC1255ST12/T5
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		55Ah
Dimensions (mm)	Length	229
	Width	138
	Height	211
	Total Height T12	214
	Total Height T5	229
Approx. Weight (kg)		18 kg
Terminal		T12/T5

**Discharge Characteristics Curve**

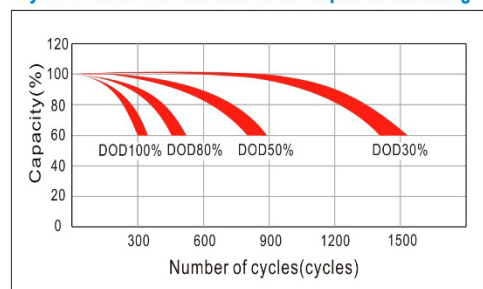


Characteristics		
Capacity (25°C)	20HR (2.998A)	59.9Ah
	10HR (5.610A)	56.1Ah
	5HR (9.625A)	48.1Ah
	1HR (34.82A)	34.8Ah
Impedance	Fully charged battery (25°C)	Approx. 8mΩ
Temperature dependence of capacity (20HR)	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		440A(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	187.0	124.6	99.77	61.88	35.75	21.37	15.18	10.16	6.831	5.830	3.190
1.70V/cell	167.8	114.7	94.88	60.23	35.26	21.09	14.91	9.922	6.721	5.748	3.108
1.75V/cell	151.3	105.9	90.48	58.58	34.82	20.82	14.74	9.774	6.655	5.693	3.053
1.80V/cell	134.8	96.53	84.98	56.32	34.10	20.53	14.58	9.625	6.556	5.610	2.998

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	322.6	222.2	181.2	115.5	68.52	41.67	30.11	20.21	13.59	11.61	6.375
1.70V/cell	296.4	208.3	174.7	113.4	67.87	41.31	29.64	19.78	13.41	11.48	6.215
1.75V/cell	271.0	195.0	168.1	111.3	67.31	40.94	29.38	19.53	13.31	11.39	6.105
1.80V/cell	244.8	180.2	159.3	107.9	66.21	40.72	29.13	19.25	13.11	11.22	5.995