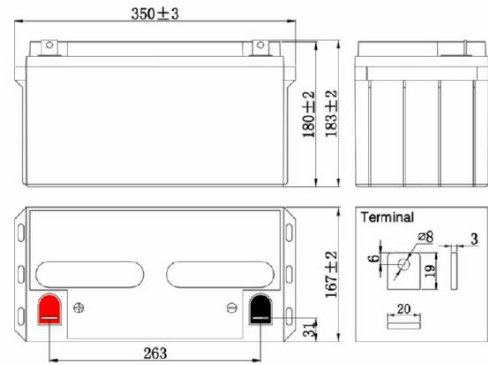
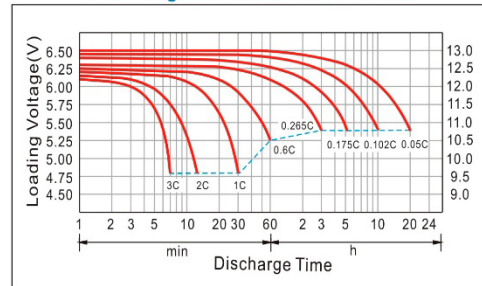


# PQC1265ST5 (12V 65Ah)



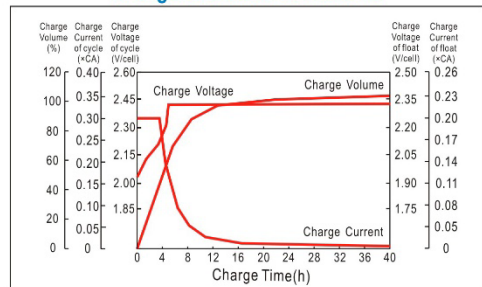
Specifications		PQC1265ST5
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		65Ah
Dimensions (mm)	Length	350
	Width	167
	Height	180
	Total Height T12	183
	Total Height T5	229
Approx. Weight (kg)		21 kg
Terminal		T5

**Discharge Characteristics Curve**

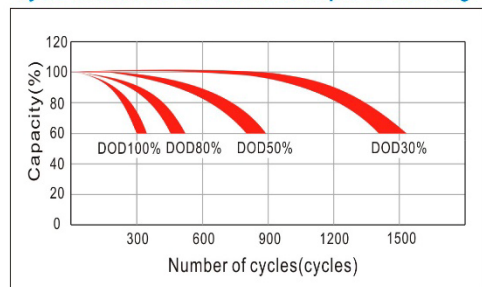


Characteristics		
Capacity (25°C)	20HR (3.543A)	70.8Ah
	10HR (6.630A)	66.3Ah
	5HR (11.38A)	56.9Ah
	1HR (41.15A)	41.1Ah
Impedance	Fully charged battery (25°C)	Approx. 6.5mΩ
	Temperature dependence of capacity (20HR)	
	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		520A(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	221.0	147.2	117.9	73.13	42.25	25.25	17.94	12.01	8.073	6.890	3.770
1.70V/cell	198.3	135.5	112.1	71.18	41.67	24.93	17.62	11.73	7.943	6.793	3.673
1.75V/cell	178.8	125.1	106.9	69.23	41.15	24.60	17.42	11.55	7.865	6.728	3.608
1.80V/cell	159.3	114.1	100.4	66.56	40.30	24.26	17.23	11.38	7.748	6.630	3.543

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	381.2	262.6	214.2	136.5	80.98	49.24	35.58	23.88	16.07	13.72	7.534
1.70V/cell	350.2	246.2	206.5	134.0	80.21	48.82	35.02	23.37	15.85	13.56	7.345
1.75V/cell	320.3	230.4	198.7	131.5	79.55	48.38	34.72	23.08	15.73	13.46	7.215
1.80V/cell	289.3	212.9	188.3	127.6	78.25	48.12	34.42	22.75	15.50	13.26	7.085