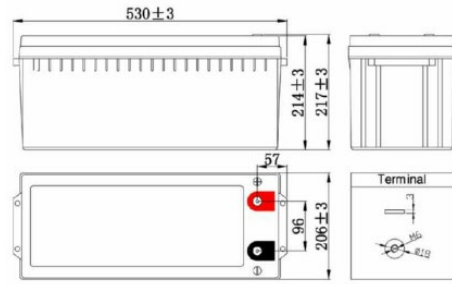


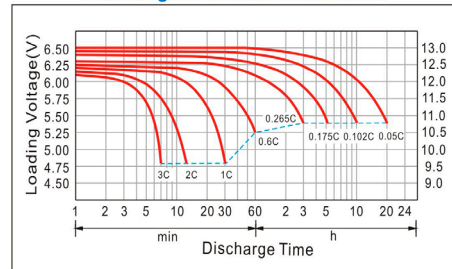
PQC12180T13 (12V 180Ah)



Unit: mm

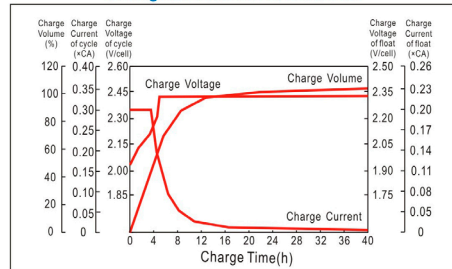
Specifications		PQC12180T13
Nominal Voltage		12V
Rated Capacity		180Ah
Dimensions (mm)	Length	530
	Width	206
	Height	214
	Total Height	217
Approx. Weight (kg)		55
Terminal		T13

Discharge Characteristics Curve

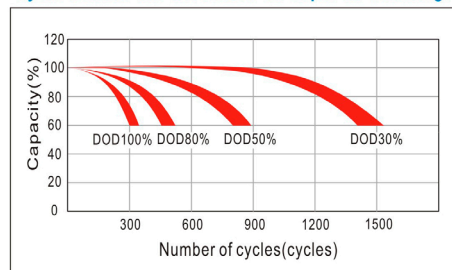


Characteristics		
Capacity 25°C	20HR (9.810A)	196.2Ah
	10HR (18.36A)	183.6Ah
	5HR (31.50A)	157.5Ah
	1HR (113.9A)	113.9Ah
Impedance	Fully charged battery	Approx.
	25°C	3.5 mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		1440A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 1440A
	Float	13.6~13.8V(-18mV/°C)

Charge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), (25°C)												
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	612.0	407.7	326.5	202.5	117.0	69.93	49.68	33.26	22.36	19.08	10.44	
1.70V/cell	549.0	375.3	310.5	197.1	115.4	69.03	48.78	32.47	22.00	18.81	10.17	
1.75V/cell	495.0	346.5	296.1	191.7	113.9	68.13	48.24	31.99	21.78	18.63	9.990	
1.80V/cell	441.0	315.9	278.1	184.3	111.6	67.19	47.70	31.50	21.46	18.36	9.810	

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	1055.7	727.1	593.2	378.0	224.3	136.4	98.53	66.14	44.49	38.00	20.86
1.70V/cell	969.9	681.8	571.8	371.2	222.1	135.2	96.99	64.73	43.88	37.56	20.34
1.75V/cell	886.9	638.1	550.3	364.2	220.3	134.0	96.16	63.92	43.56	37.26	19.98
1.80V/cell	801.2	589.7	521.4	353.3	216.7	133.3	95.32	63.00	42.91	36.72	19.62