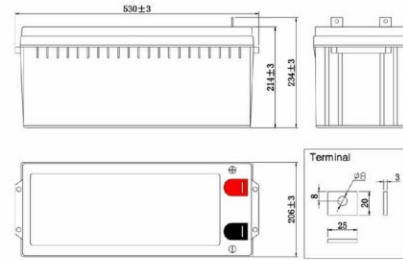


# PQC12180T9 (12V 180Ah)

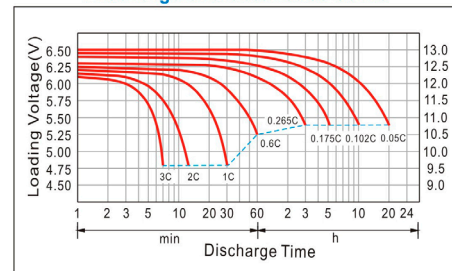


Unit: mm

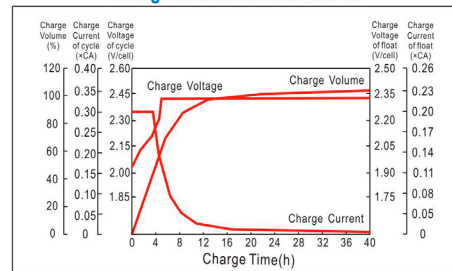
Specifications		PQC12180T9
Nominal Voltage		12V
Rated Capacity		180Ah
Dimensions (mm)	Length	530
	Width	206
	Height	214
	Total Height	234
Approx. Weight (kg)		55
Terminal		T9

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)

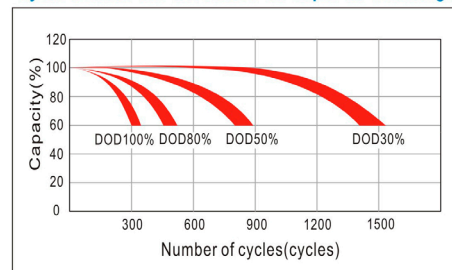
Discharge Characteristics Curve



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