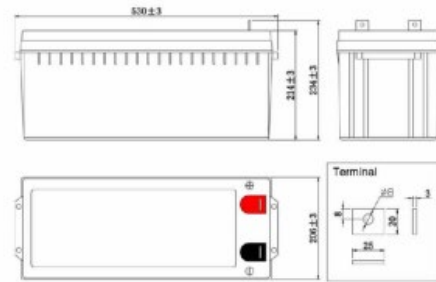


PQC12160T9 (12V 160Ah)

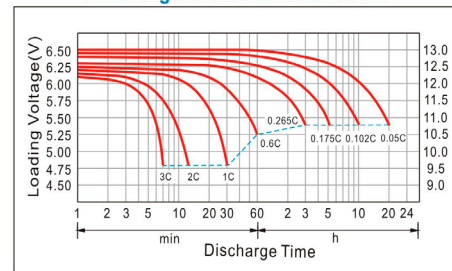


Unit: mm

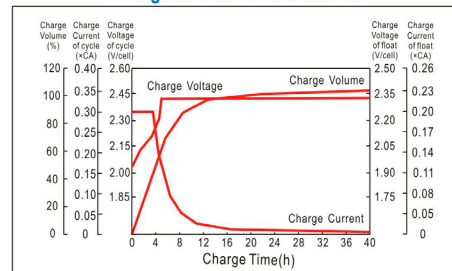
Specifications		PQC12160T9
Nominal Voltage		12V
Rated Capacity		160Ah
Dimensions (mm)	Length	530
	Width	206
	Height	214
	Total Height	234
Approx. Weight (kg)		50
Terminal		T9

Characteristics		
Capacity 25°C	20HR (8.720A)	174.4Ah
	10HR (16.32A)	163.2Ah
	5HR (28.00A)	140.0Ah
	1HR (101.3A)	101.3Ah
Impedance	Fully charged battery	Approx.
	25°C	4 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)		1280A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 1280A
	Float	13.6~13.8V(-18mV/°C)

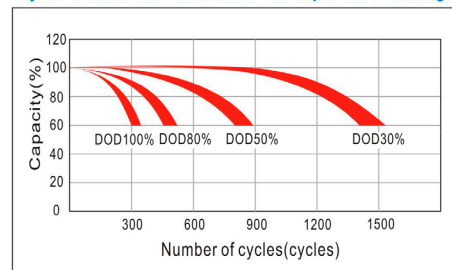
Discharge Characteristics Curve



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	544.0	362.4	290.2	180.0	104.0	62.16	44.16	29.57	19.87	16.96	9.280
1.70V/cell	488.0	333.6	276.0	175.2	102.6	61.36	43.36	28.86	19.55	16.72	9.040
1.75V/cell	440.0	308.0	263.2	170.4	101.3	60.56	42.88	28.43	19.36	16.56	8.880
1.80V/cell	392.0	280.8	247.2	163.8	99.20	59.73	42.40	28.00	19.07	16.32	8.720

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	938.4	646.3	527.3	336.0	199.3	121.2	87.58	58.79	39.55	33.78	18.54
1.70V/cell	862.1	606.0	508.3	330.0	197.4	120.2	86.21	57.54	39.01	33.38	18.08
1.75V/cell	788.3	567.2	489.1	323.8	195.8	119.1	85.47	56.82	38.72	33.12	17.76
1.80V/cell	712.1	524.2	463.5	314.0	192.6	118.5	84.73	56.00	38.14	32.64	17.44