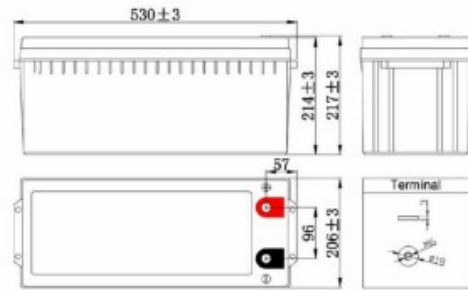


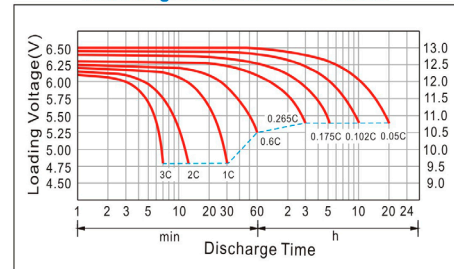
# PQC12160T13 (12V 160Ah)



Unit: mm

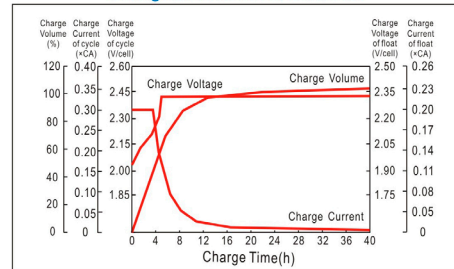
Specifications		PQC12160T13
Nominal Voltage		12V
Rated Capacity		160Ah
Dimensions (mm)	Length	530
	Width	206
	Height	214
	Total Height	217
Approx. Weight (kg)		50
Terminal		T13

Discharge Characteristics Curve

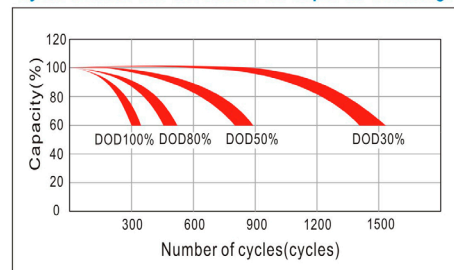


Characteristics		
Capacity 25°C	20HR (8.720A)	174.4Ah
	10HR (16.32A)	163.2Ah
	5HR (28.00A)	140.0Ah
	1HR (101.3A)	101.3Ah
Impedance	Fully charged battery	Approx.
	25°C	4 mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	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)

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