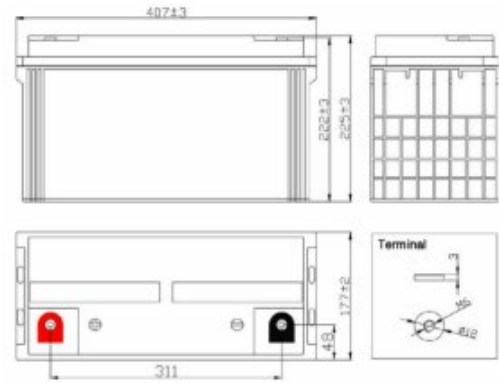


PQC12120T13 (12V 120Ah)

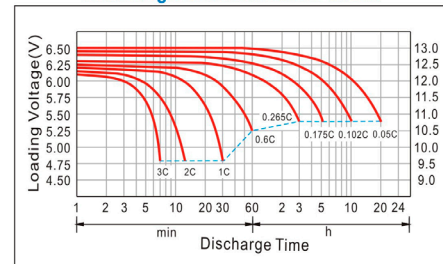


Unit: mm

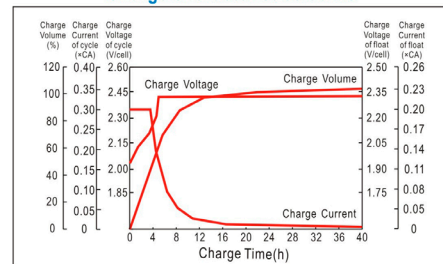
Specifications		PQC12120T13
Nominal Voltage		12V
Rated Capacity		120Ah
Dimensions (mm)	Length	407
	Width	177
	Height	225
	Total Height	225
Approx. Weight (kg)		34.5
Terminal		T13

Characteristics		
Capacity 25°C	20HR (6.54A)	130.8Ah
	10HR (12.24A)	122.4Ah
	5HR (21.00A)	105.0Ah
	1HR (75.96A)	75.9Ah
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)		960A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 960A
	Float	13.6~13.8V(-18mV/°C)

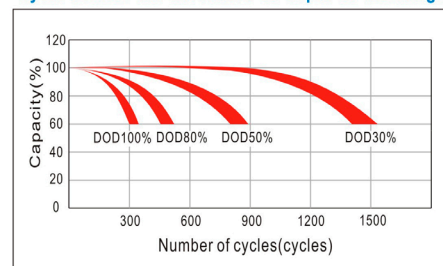
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	408.0	271.8	217.7	135.0	78.00	46.62	33.12	22.18	14.90	12.72	6.960
1.70V/cell	366.0	250.2	207.0	131.4	76.92	46.02	32.52	21.65	14.66	12.54	6.780
1.75V/cell	330.0	231.0	197.4	127.8	75.96	45.42	32.16	21.32	14.52	12.42	6.660
1.80V/cell	294.0	210.6	185.4	122.9	74.40	44.80	31.80	21.00	14.30	12.24	6.540

Constant Wattage Discharge Characteristics (W), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	703.8	484.7	395.5	252.0	149.5	90.91	65.69	44.09	29.66	25.33	13.91
1.70V/cell	646.6	454.5	381.2	247.5	148.1	90.12	64.66	43.15	29.25	25.04	13.56
1.75V/cell	591.3	425.4	366.8	242.8	146.9	89.33	64.11	42.61	29.04	24.84	13.32
1.80V/cell	534.1	393.1	347.6	235.5	144.5	88.85	63.55	42.00	28.61	24.48	13.08