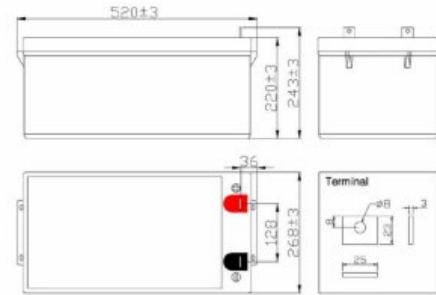


# PQC12250T9 (12V 250Ah)

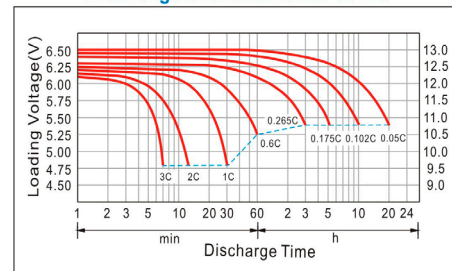


Unit: mm

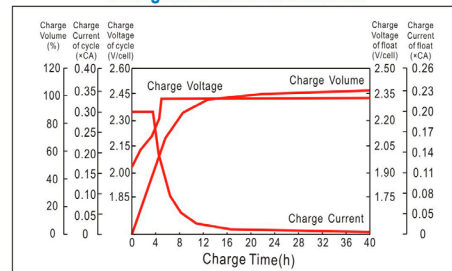
Specifications		PQC12250T9
Nominal Voltage		12V
Rated Capacity		250Ah
Dimensions (mm)	Length	520
	Width	268
	Height	220
	Total Height	243
Approx. Weight (kg)		67
Terminal		T9

Characteristics		
Capacity 25°C	20HR (13.63A)	272.6Ah
	10HR (25.50A)	255.0Ah
	5HR (43.75A)	218.0Ah
	1HR (158.3A)	158.3Ah
Impedance	Fully charged battery	Approx.
	25°C	3mΩ
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)		2000A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 2000A
	Float	13.6~13.8V(-18mV/°C)

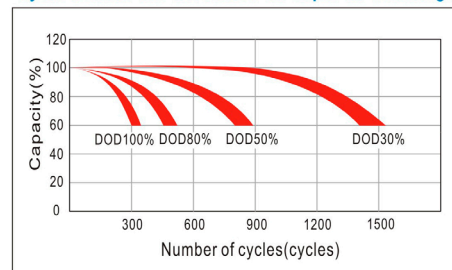
Discharge Characteristics Curve



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	850.0	566.3	453.5	281.3	162.5	97.13	69.00	46.20	31.05	26.50	14.50
1.70V/cell	762.5	521.3	431.3	273.8	160.3	95.88	67.75	45.10	30.55	26.13	14.13
1.75V/cell	687.5	481.3	411.3	266.3	158.3	94.63	67.00	44.43	30.25	25.88	13.88
1.80V/cell	612.5	438.8	386.3	256.0	155.0	93.33	66.25	43.75	29.80	25.50	13.63

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	1466.3	1009.8	823.9	525.0	311.5	189.4	136.9	91.86	61.79	52.78	28.98
1.70V/cell	1347.1	946.9	794.2	515.6	308.5	187.8	134.7	89.90	60.95	52.16	28.25
1.75V/cell	1231.8	886.3	764.2	505.9	306.0	186.1	133.6	88.78	60.50	51.75	27.75
1.80V/cell	1112.7	819.0	724.2	490.7	301.0	185.1	132.4	87.50	59.60	51.00	27.25