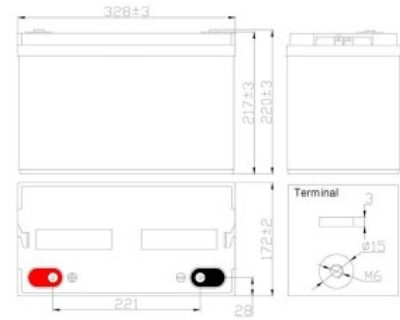


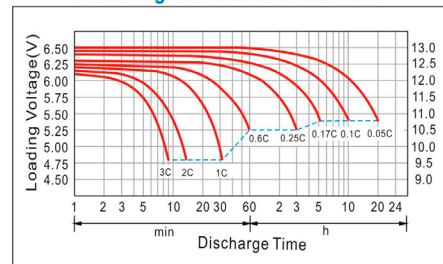
PQC12100T12 (12V 100Ah)



Specifications		PQC12100T12
Nominal Voltage		12V
Rated Capacity		100Ah
Dimensions (mm)	Length	328
	Width	172
	Height	217
	Total Height	220
Approx. Weight (kg)		30
Terminal		T12

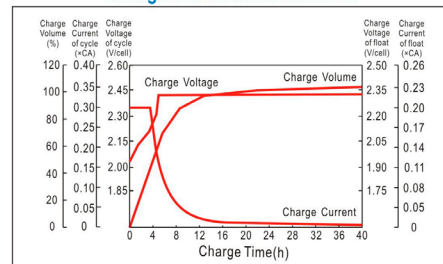
Unit: mm

Discharge Characteristics Curve

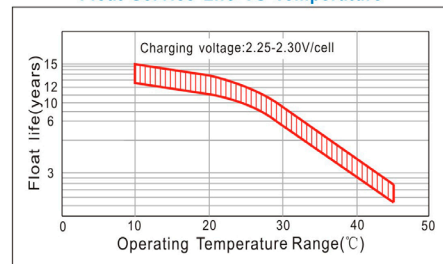


Characteristics		
Capacity 25°C	20HR (5.450A)	109.0Ah
	10HR (10.20A)	102.0Ah
	5HR (17.50A)	87.5Ah
	1HR (63.30A)	63.3Ah
Impedance	Fully charged battery	Approx.
	25°C	5mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		800A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 800A
	Float	13.6~13.8V(-18mV/°C)

Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A), (25°C)												
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	340.0	226.5	181.4	112.5	65.00	38.85	27.60	18.48	12.42	10.60	5.800	
1.70V/cell	305.0	208.5	172.5	109.5	64.10	38.35	27.10	18.04	12.22	10.45	5.650	
1.75V/cell	275.0	192.5	164.5	106.5	63.30	37.85	26.80	17.77	12.10	10.35	5.550	
1.80V/cell	245.0	175.5	154.5	102.4	62.00	37.33	26.50	17.50	11.92	10.20	5.450	

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	586.5	403.9	329.5	210.0	124.6	75.76	54.74	36.74	24.72	21.11	11.59
1.70V/cell	538.8	378.8	317.7	206.2	123.4	75.10	53.88	35.96	24.38	20.87	11.30
1.75V/cell	492.7	354.5	305.7	202.4	122.4	74.44	53.42	35.51	24.20	20.70	11.10
1.80V/cell	445.1	327.6	289.7	196.3	120.4	74.04	52.96	35.00	23.84	20.40	10.90