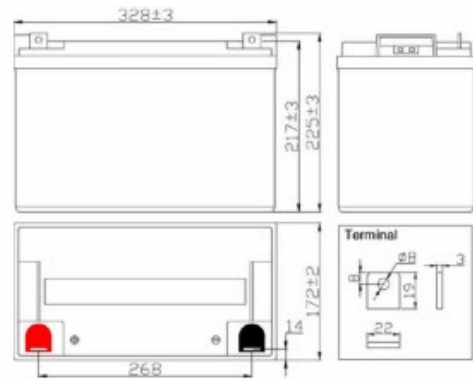


# PQC12100T6 (12V 100Ah)

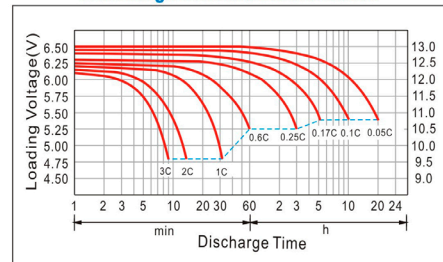


Specifications		PQC12100T6
Nominal Voltage		12V
Rated Capacity		100Ah
Dimensions (mm)	Length	328
	Width	172
	Height	217
	Total Height	225
Approx. Weight (kg)		30
Terminal		T6

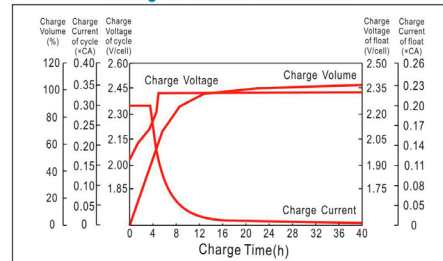
Characteristics		
Capacity 25°C	20HR (5.450A)	109.0Ah
	10HR (10.20A)	102.0Ah
	5HR (17.50A)	87.5Ah
	1HR (63.30A)	63.3Ah
Impedance	Fully charged battery	Approx.
	25°C	5mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	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)

Unit: mm

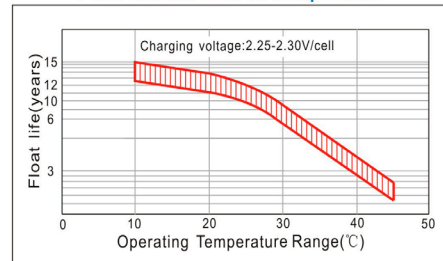
Discharge Characteristics Curve



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	