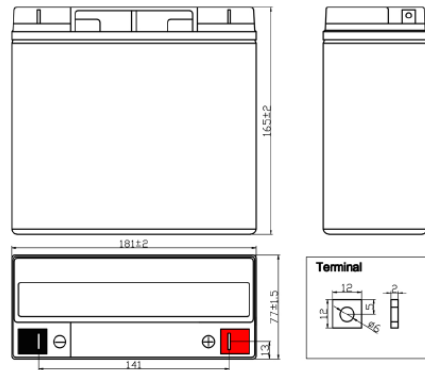


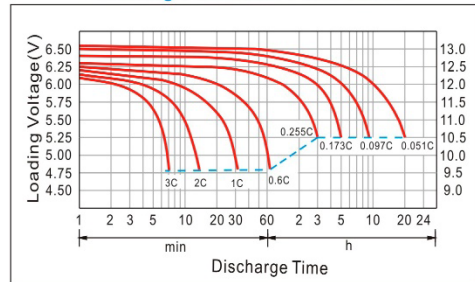
PQC1220ST3 (12V 20Ah)



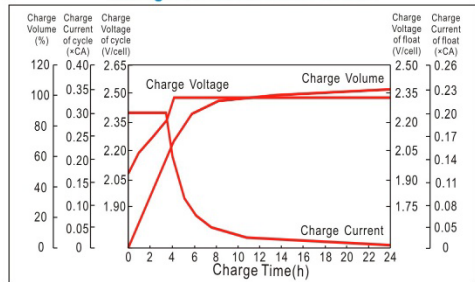
Specifications		PQC1220ST3
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		20Ah
Dimensions (mm)	Length	181
	Width	77
	Height	165
	Total Height	165
Approx. Weight (kg)		5.9 kg
Terminal		T3

Characteristics		
Capacity (25°C)	20HR (1.030A)	20.6Ah
	10HR (1.968A)	19.6Ah
	5HR (3.518A)	17.5Ah
	1HR (13.00A)	13.0Ah
	1HR (38.50A)	9.62Ah
Impedance	Fully charged battery (25°C)	Approx. 12mΩ
	Temperature dependence of capacity (20HR)	
	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		300A(5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.7~15.0V(-24mV/°C) max. current: 0.3CA
	Float	13.5~13.8V(-18mV/°C) max. current: 0.2CA

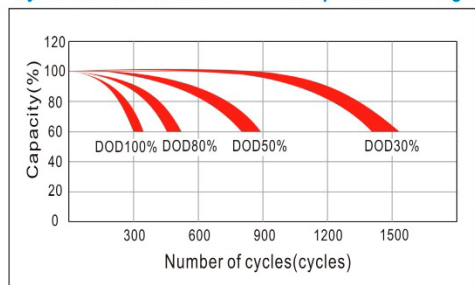
Discharge Characteristics Curve



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	78.90	51.70	38.50	20.50	13.00	7.324	5.334	3.598	2.382	2.040	1.092	
1.70V/cell	71.60	47.90	36.30	19.90	12.71	7.210	5.202	3.546	2.346	1.988	1.052	
1.75V/cell	64.30	44.90	34.30	19.30	12.55	7.150	5.150	3.518	2.326	1.968	1.030	
1.80V/cell	57.70	42.00	32.30	18.70	12.37	7.090	5.090	3.478	2.294	1.938	0.988	

Constant Wattage Discharge Characteristics (W/cell), (25°C)												
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	142.7	94.35	70.90	39.12	25.78	13.07	10.63	7.178	4.752	4.073	2.184	
1.70V/cell	131.9	89.01	68.06	38.31	25.31	14.36	10.39	7.080	4.684	3.976	2.108	
1.75V/cell	120.0	84.94	64.88	37.47	25.02	14.25	10.29	7.030	4.648	3.939	2.069	
1.80V/cell	108.7	80.15	61.64	36.62	24.68	14.14	10.18	6.956	4.588	3.879	1.984	