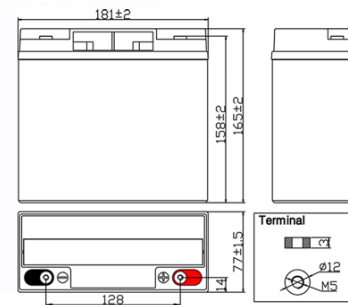


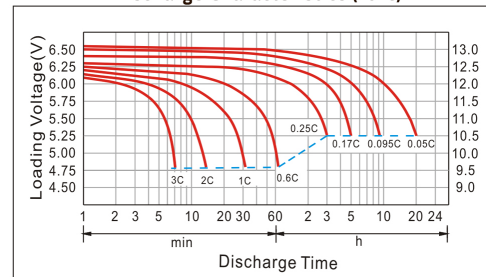
# PQ1220T10 (12V 20Ah)

Specifications		PQ1220T10
Nominal Voltage		12V
Rated Capacity		20Ah
Dimensions (mm)	Length	181±2
	Width	77±1.5
	Height	165±2
	Total Height	165±2
Approx. Weight (kg)		5.6
Terminal		T10

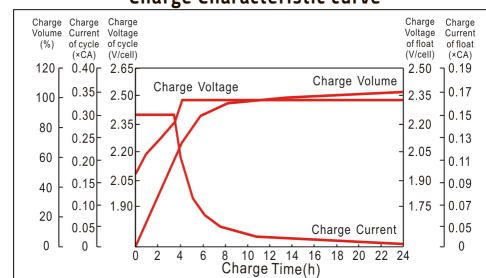
Characteristics		
Capacity 25°C	20HR (1.010A)	20.2Ah
	10HR (1.930A)	19.3Ah
	5HR (3.450A)	17.2Ah
	1HR (13.00A)	13.0Ah
	15 min rate (38.50A)	9.62Ah
Impedance	Fully charged battery	Approx.
	25°C	12mΩ
Temperature dependence of capacity (20HR)	40°C	104%
	25°C	100%
	0°C	83%
	-15°C	60%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		300A (5s)
Service life acc. to EUROBAT (25°C)		5 years
Constant voltage charge (25°C)	Cycle	2.45~2.50V(-4mV/°C) max. current: 0.36 A
	Float	2.25~2.30V(-3mV/°C)



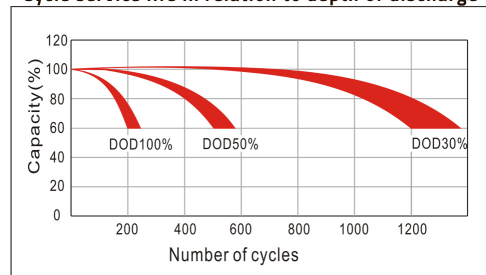
Discharge Characteristics (25°C)



Charge Characteristic 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	5.230	3.528	2.336	2.000	1.070
1.67V/cell	75.25	49.80	37.40	20.20	12.85	7.266	5.164	3.502	2.315	1.975	1.051
1.70V/cell	71.60	47.90	36.30	19.90	12.71	7.210	5.100	3.476	2.300	1.950	1.032
1.75V/cell	64.30	44.90	34.30	19.30	12.55	7.150	5.050	3.450	2.280	1.930	1.010
1.80V/cell	57.70	42.00	32.30	18.70	12.37	7.090	4.990	3.410	2.250	1.900	0.970

Constant Wattage Discharge Characteristics (W), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	142.7	94.35	71.40	39.12	25.78	14.53	10.43	7.038	4.660	3.993	2.140
1.67V/cell	137.3	91.72	70.00	38.72	25.54	14.44	10.30	6.989	4.620	3.947	2.104
1.70V/cell	131.9	89.01	68.56	38.31	25.31	14.36	10.18	6.940	4.592	3.900	2.067
1.75V/cell	120.0	84.94	65.38	37.47	25.02	14.25	10.09	6.894	4.556	3.863	2.028
1.80V/cell	108.7	80.15	62.14	36.62	24.68	14.14	9.980	6.820	4.500	3.803	1.948