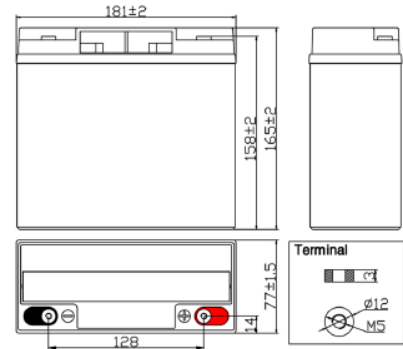


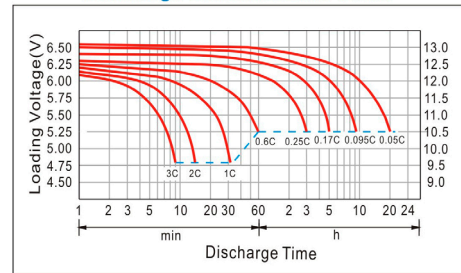
# PQ1220T10 (12V 20Ah)



Unit: mm

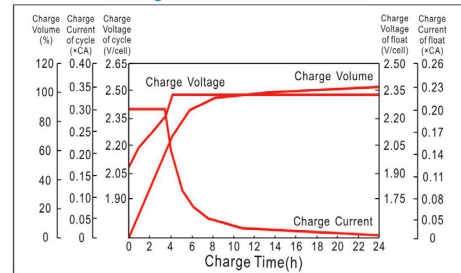
Specifications		PQ1220T10
Nominal Voltage		12V
Rated Capacity		20.0Ah
Dimensions (mm)	Length	181±2
	Width	77±1.5
	Height	165±2
	Total Height	165±2
Approx. Weight (kg)		5.6
Terminal		T10

Discharge Characteristics Curve

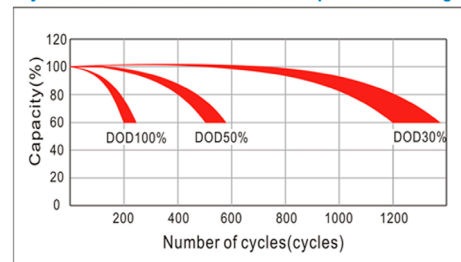


Characteristics		
Capacity 25°C	20HR (0.90A)	20.6Ah
	10HR (1.67A)	19.6Ah
	5HR (3.06A)	17.5Ah
	1HR (11.0A)	13.0Ah
	15 min rate (33.3A)	9.62Ah
Impedance	Fully charged battery	Approx.
	25°C	12mΩ
Temperature dependence of capacity (20HR)	40°C	104%
	25°C	100%
	0°C	83%
	-15°C	60%
Self-discharge (20°C) (remaining 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: 0.36CA
	Float	2.25~2.30V(-3mV/°C)

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	14,53	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