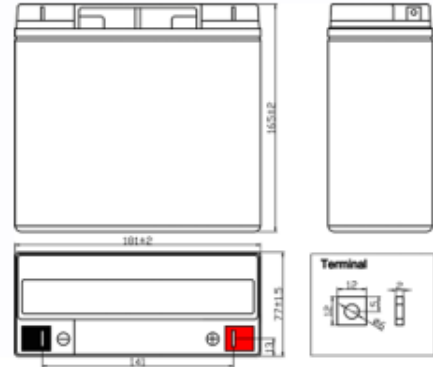


# PQ1220T3 (12V 20Ah)

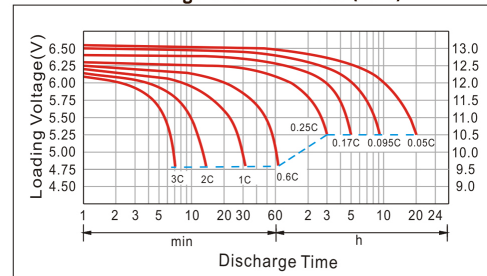


Unit: mm

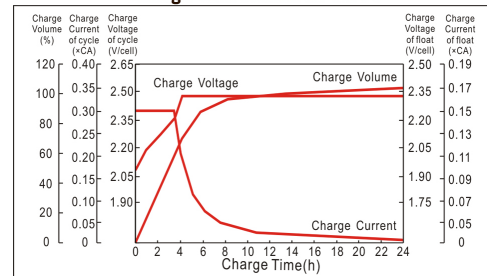
Specifications		PQ1220T3
Nominal Voltage		12V
Rated Capacity		20Ah
Dimensions (mm)	Length	181 ± 2 mm
	Width	77 ± 1.5 mm
	Height	165 ± 2 mm
	Total Height	165 ± 2 mm
Approx. Weight (kg)		5.6
Terminal		T3

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	12 mΩ
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: 0.2 A
	Float	2.25~2.30V(-3mV/°C)

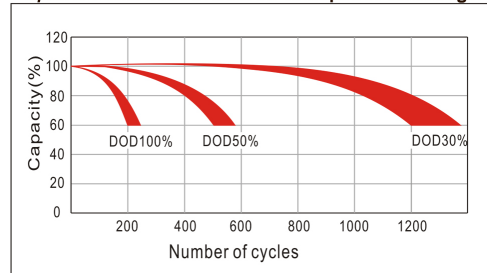
Discharge Characteristics (25°C)



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	2,140
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