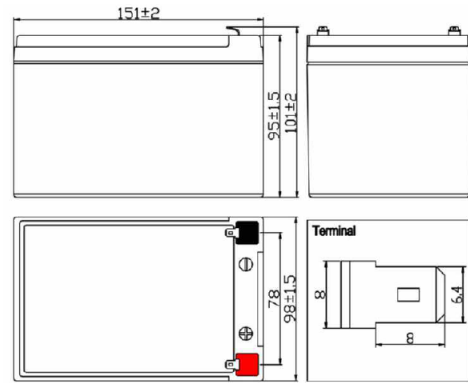


# PQ1210ST2 (12V 10Ah)

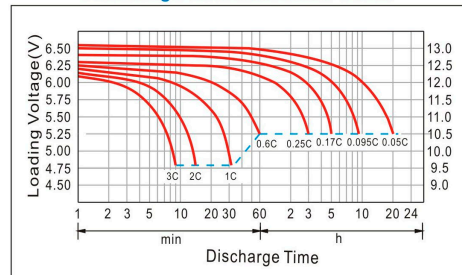


Unit: mm

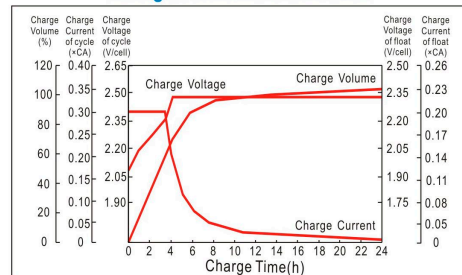
Specifications		PQ1210ST2
Nominal Voltage		12V
Rated Capacity		10.0Ah
Dimensions (mm)	Length	151
	Width	98
	Height	95
	Total Height	101
Approx. Weight (kg)		3.0
Terminal		T2

Characteristics		
Capacity 25°C	20HR (0.505A)	10.1Ah
	10HR (0.965A)	9.65Ah
	5HR (1.725A)	8.62Ah
	1HR (6.500A)	6.50Ah
	15 min rate (19.25A)	4.81Ah
Impedance	Fully charged battery	Approx.
	25°C	18mΩ
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)		150A (5s)
Service life acc. to EUROBAT (25°C)		3-5 years
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

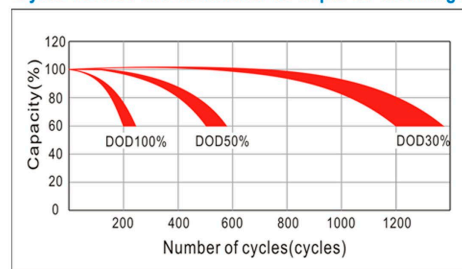
Discharge Characteristics Curve



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	39,45	25,85	19,25	10,25	6,500	3,662	2,615	1,764	1,168	1,000	0,535
1.70V/cell	35,80	23,95	18,15	9,950	6,355	3,605	2,550	1,738	1,150	0,975	0,516
1.75V/cell	32,15	22,45	17,15	9,650	6,275	3,575	2,525	1,725	1,140	0,965	0,505
1.80V/cell	28,85	21,00	16,15	9,350	6,185	3,545	2,495	1,705	1,125	0,950	0,485

### 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	71,34	47,18	35,45	19,56	12,89	7,263	5,213	3,519	2,330	1,997	1,070
1.70V/cell	65,93	44,51	34,03	19,15	12,66	7,180	5,092	3,470	2,296	1,950	1,034
1.75V/cell	60,01	42,47	32,44	18,74	12,51	7,126	5,046	3,447	2,278	1,932	1,014
1.80V/cell	54,33	40,08	30,82	18,31	12,34	7,072	4,990	3,410	2,250	1,902	0,974