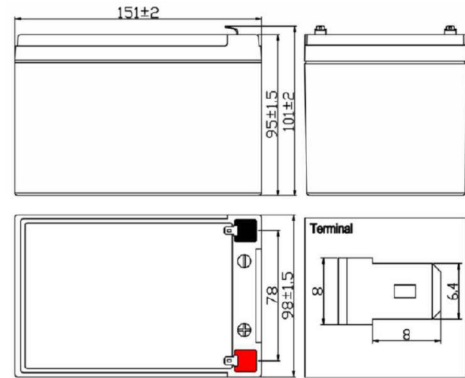


# PQ1212ST2 (12V 12Ah)

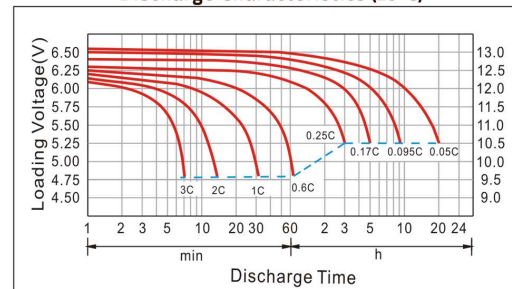


Unit: mm

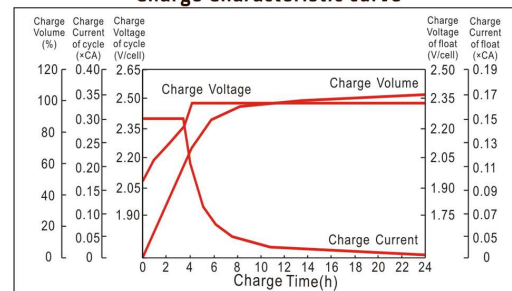
Specifications		PQ1212ST2
Nominal Voltage		12V
Rated Capacity		12.5Ah
Dimensions (mm)	Length	151
	Width	98
	Height	95
	Total Height	101
Approx. Weight (kg)		3.55
Terminal		T2

Characteristics		
Capacity 20°C	20HR (0.631A)	12.6Ah
	10HR (1.206A)	12.0Ah
	5HR (2.156A)	10.7Ah
	1HR (8.125A)	8.12Ah
	15 min rate (24.06A)	6.01Ah
Impedance	Fully charged battery	Approx. 18mΩ
	25°C	
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		180A (5s)
Service life acc. to EUROBAT (25°C)		3-5 years
Constant voltage charge (°C)	Cy	14.5~14.9V(-24mV/°C) max. current: 3.6 A
	Float	13.6~13.8V(-18mV/°C)

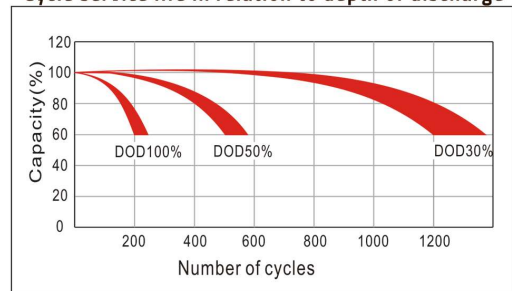
Discharge Characteristics (25°C)



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	49,31	32,31	24,06	12,81	8,125	4,578	3,269	2,205	1,460	1,250	0,669
1.70V/cell	44,75	29,94	22,69	12,44	7,944	4,506	3,188	2,173	1,438	1,219	0,645
1.75V/cell	40,19	28,06	21,44	12,06	7,844	4,469	3,156	2,156	1,425	1,206	0,631
1.80V/cell	36,06	26,25	20,19	11,69	7,731	4,431	3,119	2,131	1,406	1,188	0,606

Constant Wattage Discharge Characteristics (W), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	89,17	58,97	44,32	24,45	16,11	9,079	6,516	4,399	2,913	2,496	1,338
1.70V/cell	82,41	55,63	42,54	23,94	15,82	8,975	6,364	4,338	2,870	2,438	1,292
1.75V/cell	75,02	53,08	40,55	23,42	15,64	8,908	6,307	4,309	2,848	2,415	1,268
1.80V/cell	67,92	50,09	38,52	22,89	15,42	8,840	6,238	4,263	2,813	2,377	1,218