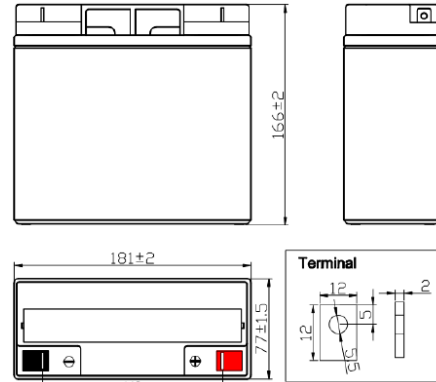


PQ1218ST3 (12V 18Ah)

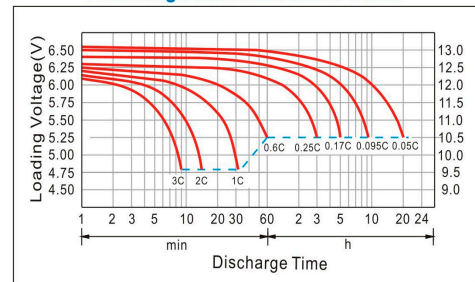


Unit: mm

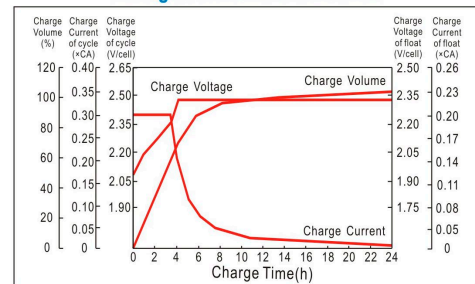
Specifications		PQ1218ST3
Nominal Voltage		12V
Rated Capacity		18.0Ah
Dimensions (mm)	Length	181
	Width	77
	Height	166
	Total Height	166
Approx. Weight (kg)		4.9
Terminal		T3

Characteristics		
Capacity 25°C	20HR (0.90A)	18.0Ah
	10HR (1.67A)	16.7Ah
	5HR (3.06A)	15.3Ah
	1HR (11.0A)	11.0Ah
	15 min rate (33.3A)	8.3Ah
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)		270A (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

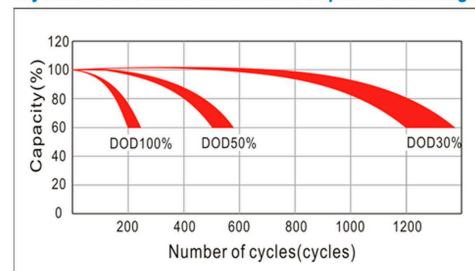
Discharge Characteristics Curve



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	68,4	43,2	33,3	18,0	11,39	6,43	4,69	3,17	2,11	1,73	0,93
1.70V/cell	65,0	41,0	31,8	17,2	10,98	6,17	4,59	3,11	2,09	1,71	0,92
1.75V/cell	63,7	40,1	31,2	16,8	10,78	6,07	4,50	3,06	2,05	1,67	0,91
1.80V/cell	62,5	39,2	30,7	16,5	10,60	5,96	4,43	3,01	2,03	1,66	0,90

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	124,2	79,1	61,61	33,61	21,46	12,20	9,00	6,12	4,12	3,40	1,84
1.67V/cell	119,2	76,0	59,36	32,40	20,86	11,83	8,87	6,07	4,10	3,38	1,83
1.70V/cell	117,9	74,9	58,82	32,00	20,66	11,74	8,78	6,01	4,07	3,35	1,82
1.75V/cell	116,6	74,0	58,28	31,68	20,50	11,61	8,71	5,96	4,03	3,31	1,80