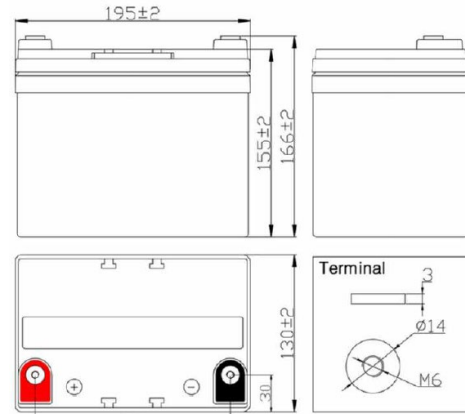


PQ1233XT11 (12V 33Ah)

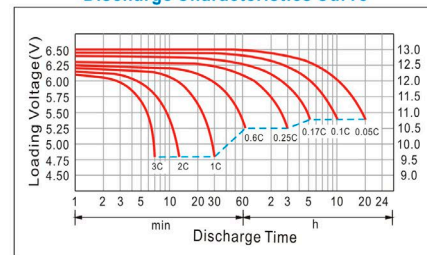


Unit: mm

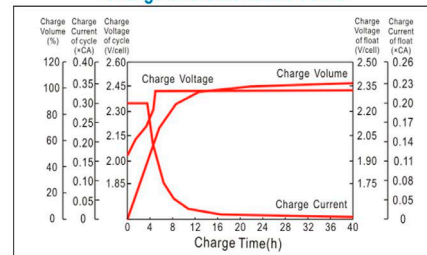
Specifications		PQ1233XT11
Nominal Voltage		12V
Rated Capacity		33.0Ah
Dimensions (mm)	Length	195
	Width	130
	Height	155
	Total Height	166
Approx. Weight (kg)		9.4
Terminal		T11

Characteristics		
Capacity 25°C	20HR (1.769A)	35.3Ah
	10HR (3.333A)	33.3Ah
	5HR (5.706A)	28.5Ah
	1HR (20.89A)	20.8Ah
	15 min rate (57.75A)	14.4Ah
Impedance	Fully charged battery	Approx.
	25°C	10.5mΩ
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)		264A (5s)
Service life acc. to EUROBAT (25°C)		6-9 years
Constant voltage charge (25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current: 0.3CA
	Float	13.5~13.8V(-18mV/°C) max. current: 0.2CA

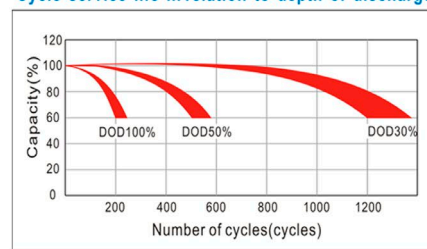
Discharge Characteristics Curve



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	110,6	70,95	57,75	37,13	21,45	12,82	8,870	5,950	4,099	3,465	1,901
1.70V/cell	97,35	64,35	55,28	36,14	21,15	12,66	8,762	5,881	4,033	3,399	1,835
1.75V/cell	87,45	59,40	52,31	35,15	20,89	12,49	8,663	5,792	3,993	3,366	1,802
1.80V/cell	75,90	53,79	49,01	33,79	20,46	12,32	8,498	5,706	3,934	3,333	1,769

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	190,7	126,5	104,9	69,30	41,11	25,00	17,59	11,83	8,156	6,901	3,798
1.70V/cell	172,0	116,9	101,8	68,05	40,72	24,78	17,42	11,72	8,045	6,787	3,670
1.75V/cell	156,7	109,4	97,20	66,78	40,39	24,56	17,27	11,57	7,986	6,732	3,604
1.80V/cell	137,9	100,4	91,88	64,77	39,73	24,43	16,98	11,41	7,867	6,666	3,538