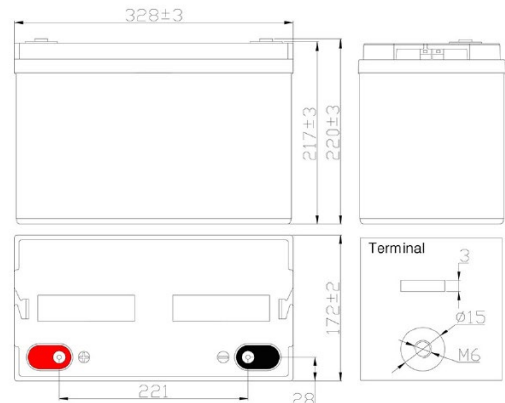


# PQ12100XT12 (12V 100Ah)

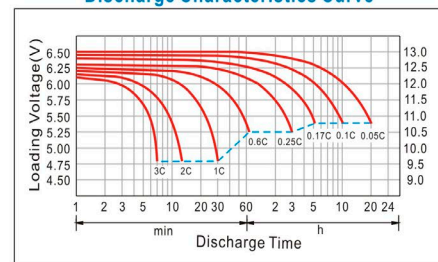


Unit: mm

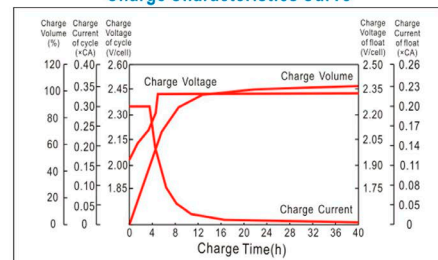
Specifications		PQ12100XT12
Nominal Voltage		12V
Rated Capacity		100Ah
Dimensions (mm)	Length	328
	Width	172
	Height	217
	Total Height	220
Approx. Weight (kg)		28.0
Terminal		T12

Characteristics		
Capacity 25°C	20HR (5.360)	107.2Ah
	10HR (10.10A)	101.0Ah
	5HR (17.29A)	86.4Ah
	1HR (63.30A)	63.3Ah
	15 min rate (175A)	43.7Ah
Impedance	Fully charged battery	Approx.
	25°C	5.0mΩ
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)		800A (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

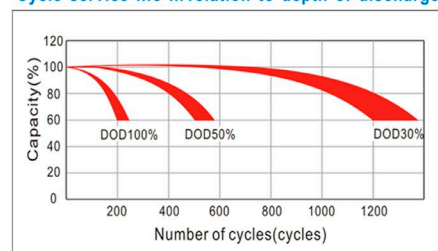
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	335,0	215,0	175,0	112,5	65,00	38,85	26,88	18,03	12,42	10,50	5,760
1.70V/cell	295,0	195,0	167,5	109,5	64,10	38,35	26,55	17,82	12,22	10,30	5,560
1.75V/cell	265,0	180,0	158,5	106,5	63,30	37,85	26,25	17,55	12,10	10,20	5,460
1.80V/cell	230,0	163,0	148,5	102,4	62,00	37,33	25,75	17,29	11,92	10,10	5,360

Constant Wattage Discharge Characteristics (W/cell), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	577,9	383,4	317,9	210,0	124,6	75,76	53,31	35,85	24,72	20,91	11,51
1.70V/cell	521,2	354,3	308,5	206,2	123,4	75,10	52,79	35,52	24,38	20,57	11,12
1.75V/cell	474,8	331,5	294,5	202,4	122,4	74,44	52,33	35,07	24,20	20,40	10,92
1.80V/cell	417,8	304,3	278,4	196,3	120,4	74,04	51,46	34,58	23,84	20,20	10,72