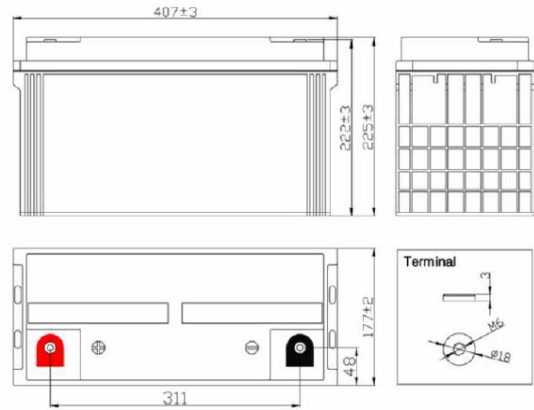


# PQ12120XT13 (12V 120Ah)

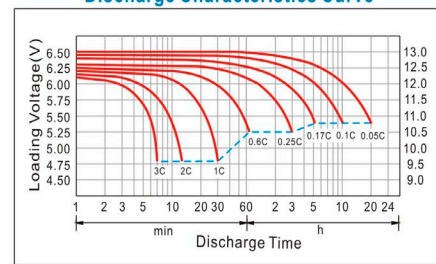


Unit: mm

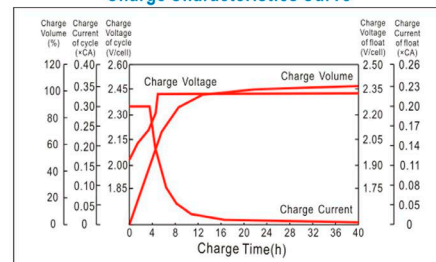
Specifications		PQ12120XT13
Nominal Voltage		12V
Rated Capacity		120Ah
Dimensions (mm)	Length	407
	Width	177
	Height	225
	Total Height	225
Approx. Weight (kg)		32.6
Terminal		T13

Characteristics		
Capacity 25°C	20HR (6.432A)	128.6Ah
	10HR (12.12A)	121.2Ah
	5HR (20.75A)	103.7Ah
	1HR (75.96A)	75.9Ah
	15 min rate (210A)	52.5Ah
Impedance	Fully charged battery	Approx.
	25°C	4.0mΩ
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)		960 (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

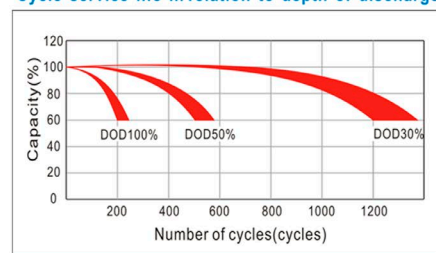
Discharge Characteristics Curve



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	402,0	258,0	210,0	135,0	78,00	46,62	32,26	21,64	14,90	12,60	6,912
1.70V/cell	354,0	234,0	201,0	131,4	76,92	46,02	31,86	21,38	14,66	12,36	6,672
1.75V/cell	318,0	216,0	190,2	127,8	75,96	45,42	31,50	21,06	14,52	12,24	6,552
1.80V/cell	276,0	195,6	178,2	122,9	74,40	44,80	30,90	20,75	14,30	12,12	6,432

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	693,5	460,1	381,5	252,0	149,5	90,91	63,97	43,02	29,66	25,10	13,81
1.70V/cell	625,4	425,1	370,2	247,5	148,1	90,12	63,35	42,63	29,25	24,68	13,34
1.75V/cell	569,8	397,8	353,5	242,8	146,9	89,33	62,79	42,08	29,04	24,48	13,10
1.80V/cell	501,4	365,1	334,1	235,5	144,5	88,85	61,75	41,50	28,61	24,24	12,86