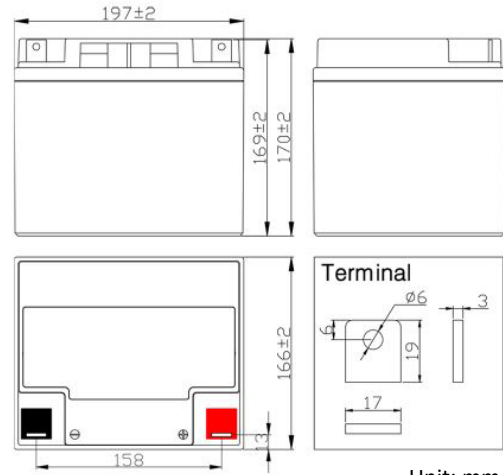


# PQ1240XT4 (12V 40Ah)

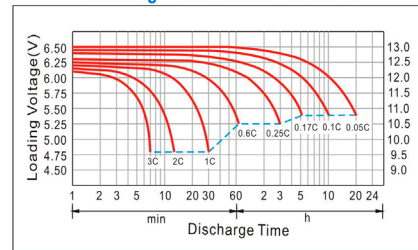


Unit: mm

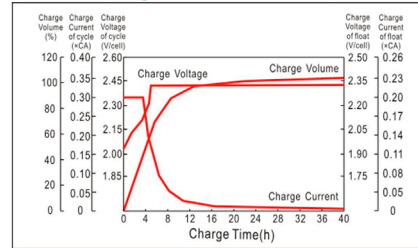
Specifications		PQ1240XT4
Nominal Voltage		12V
Rated Capacity		40.0Ah
Dimensions (mm)	Length	197
	Width	166
	Height	170
	Total Height	170
Approx. Weight (kg)		12.5
Terminal		T4

Characteristics		
Capacity 25°C	20HR (2.144A)	42.8Ah
	10HR (4.040A)	40.4Ah
	5HR (6.916A)	34.5Ah
	1HR (25.32A)	34.5Ah
	15 min rate (70A)	17.5Ah
Impedance	Fully charged battery	Approx.
	25°C	9.5mΩ
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)		320A (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

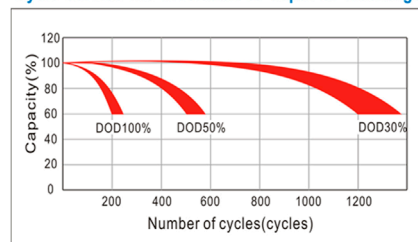
Discharge Characteristics Curve



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	134,0	86,00	70,00	45,00	26,00	15,54	10,75	7,212	4,968	4,200	2,304	
1.70V/cell	118,0	78,00	67,00	43,80	25,64	15,34	10,62	7,128	4,888	4,120	2,224	
1.75V/cell	106,0	72,00	63,40	42,60	25,32	15,14	10,50	7,020	4,840	4,080	2,184	
1.80V/cell	92,00	65,20	59,40	40,96	24,80	14,93	10,30	6,916	4,768	4,040	2,144	

Constant Wattage Discharge Characteristics (W/cell), (25°C)												
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	231,2	153,4	127,2	84,00	49,83	30,30	21,32	14,34	9,886	8,365	4,604	
1.70V/cell	208,5	141,7	123,4	82,49	49,36	30,04	21,12	14,21	9,752	8,226	4,448	
1.75V/cell	189,9	132,6	117,8	80,94	48,95	29,78	20,93	14,03	9,680	8,160	4,368	
1.80V/cell	167,1	121,7	111,4	78,51	48,15	29,62	20,58	13,83	9,536	8,080	4,288	