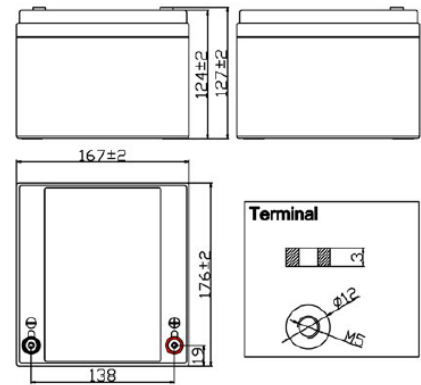
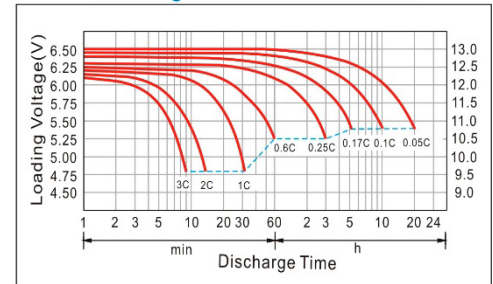


# PQH1230ST10 (12V 110W)

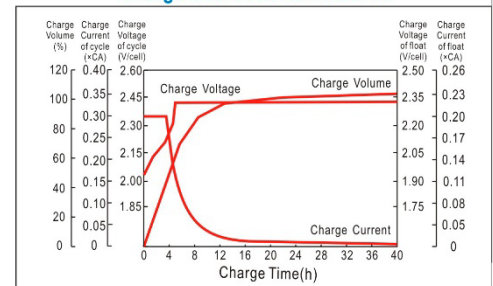


Specifications		PQH1230ST10
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		110W
Dimensions (mm)	Length	167
	Width	176
	Height	124
	Total Height	127
Approx. Weight (kg)		8.5 kg
Terminal		T10

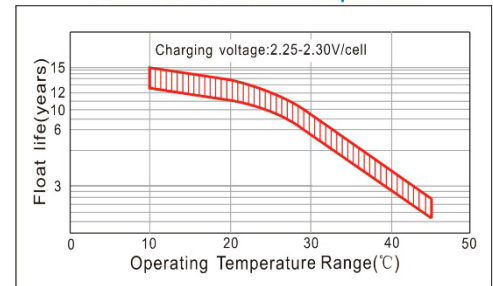
**Discharge Characteristics Curve**



**Charge Characteristics Curve**



**Float Service Life VS Temperature**



Characteristics		
Capacity (25°C)	20HR (1.515A)	30.3Ah
	10HR (2.895A)	28.9Ah
	5HR (5.1757A)	25.8Ah
	1HR (18.83A)	18.8Ah
	15min-rate (60.55A)	15.1Ah
Impedance	Fully charged battery (25°C)	Approx. 12.0mΩ
	Temperature dependence of capacity (20HR)	
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
	Max. discharge current (25°C)	420A(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

Constant Current Discharge Characteristics (A), (25°C)													
FV/TIME	5min	8min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	120.3	92.13	83.20	58.88	34.17	19.50	10.99	7.845	5.292	3.504	3.000	1.605	
1.67V/cell	116.4	89.47	79.60	56.89	33.80	19.31	10.91	7.785	5.253	3.477	2.970	1.584	
1.70V/cell	114.2	86.81	77.20	54.88	33.42	19.07	10.82	7.650	5.214	3.450	2.925	1.548	
1.75V/cell	109.6	82.66	74.00	52.84	32.44	18.83	10.73	7.575	5.175	3.420	2.895	1.515	
1.80V/cell	104.9	78.76	70.00	50.51	31.07	18.56	10.64	7.485	5.115	3.375	2.850	1.455	

Constant Current Discharge Characteristics (A), (25°C)													
FV/TIME	5min	8min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	220.5	172.0	157.4	113.6	66.92	38.68	21.79	15.64	10.56	6.990	5.990	3.210	
1.67V/cell	214.4	167.8	151.2	110.0	66.30	38.35	21.66	15.53	10.48	6.937	5.935	3.171	
1.70V/cell	211.3	163.5	147.3	106.6	65.61	37.97	21.54	15.27	10.41	6.889	5.850	3.101	
1.75V/cell	204.7	157.0	142.5	103.1	63.74	37.52	21.38	15.14	10.34	6.834	5.795	3.043	
1.80V/cell	197.6	151.0	135.9	98.91	61.10	37.02	21.22	14.97	10.23	6.750	5.705	2.922	