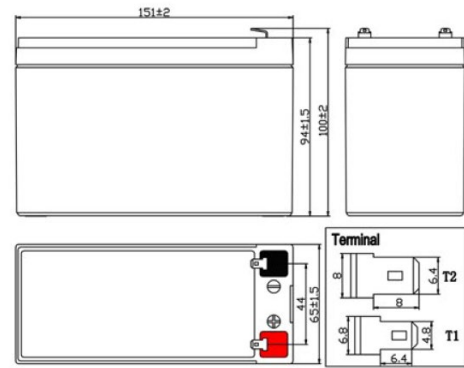


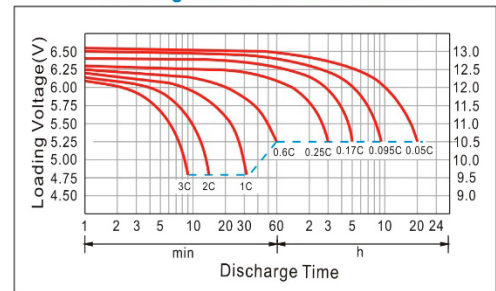
# PQH1208ST1-T2 (12V 180W)



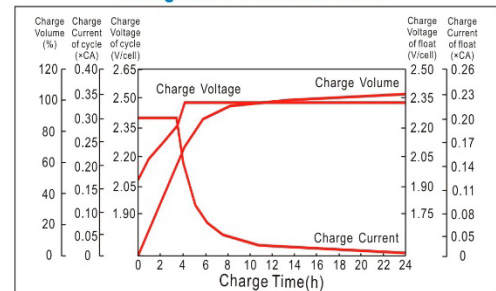
Specifications		PQH1208ST1-T2
Nominal Voltage		12V
Rated Power (25°C) 15min-rate (10.81A to 10 volts)		180W
Dimensions (mm)	Length	151 ± 2 mm
	Width	65 ± 1.5 mm
	Height	94 ± 1.5 mm
	Total Height	100 ± 2 mm
Approx. Weight (kg)		2.3 kg
Terminal		T1-T2

Characteristics		
Capacity (25°C)	20HR (0.404A to 10.5 volts)	8.08Ah
	10HR (0.772A to 10.5 volts)	7.72Ah
	5HR (1.380A to 10.5 volts)	6.90Ah
	1HR (5.020A to 10.5 volts)	5.02Ah
	15min-rate (16.22A to 10 volts)	4.05Ah
Impedance	Fully charged battery (25°C)	Approx. 18mΩ
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)		120A(5s)
Service life acc. to EUROBAT (25°C)		3-5 years
Constant voltage charge (25°C)	Cycle	14.7~15.0V(-24mV/°C) max. current: 0.3CA
	Float	13.5~13.8V(-18mV/°C) max. current: 0.2CA

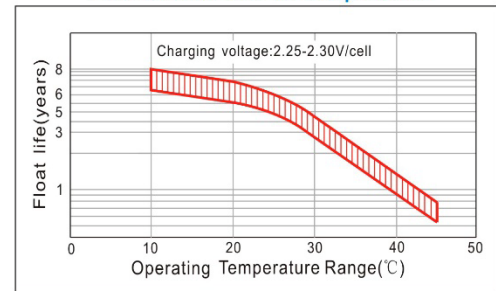
**Discharge Characteristics Curve**



**Charge Characteristics Curve**



**Float Service Life VS Temperature**



Constant Current Discharge Characteristics (A), (25°C)													
F.V/TIME	5min	8min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	32.21	24.68	22.29	16.75	9.154	5.200	2.930	2.092	1.411	0.934	0.800	0.428	
1.67V/cell	31.18	23.97	21.32	16.22	9.053	5.148	2.908	2.076	1.401	0.927	0.792	0.422	
1.70V/cell	30.59	23.25	20.68	15.68	8.951	5.084	2.884	2.040	1.390	0.920	0.780	0.413	
1.75V/cell	29.37	22.14	19.82	15.14	8.689	5.020	2.860	2.020	1.380	0.912	0.772	0.404	
1.80V/cell	28.11	21.10	18.75	14.51	8.321	4.948	2.836	1.996	1.364	0.900	0.760	0.388	

Constant Wattage Discharge Characteristics (W/cell), (25°C)													
F.V/TIME	5min	8min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H	
1.60V/cell	59.06	46.06	42.16	30.97	17.93	10.31	5.810	4.170	2.815	1.864	1.597	0.856	
1.67V/cell	57.42	44.94	40.51	30.00	17.76	10.23	5.777	4.142	2.795	1.850	1.583	0.846	
1.70V/cell	56.59	43.79	39.46	29.09	17.57	10.13	5.744	4.073	2.776	1.837	1.560	0.827	
1.75V/cell	54.82	42.07	38.16	28.15	17.07	10.01	5.701	4.037	2.758	1.822	1.545	0.811	
1.80V/cell	52.94	40.44	36.41	27.06	16.37	9.871	5.658	3.992	2.728	1.800	1.521	0.779	