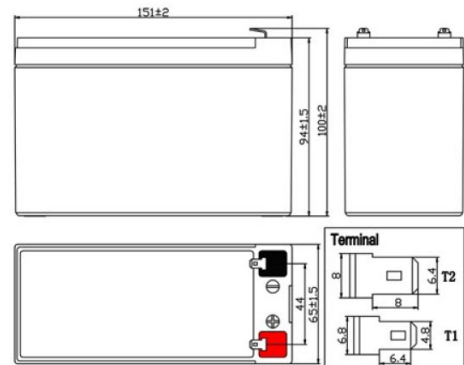


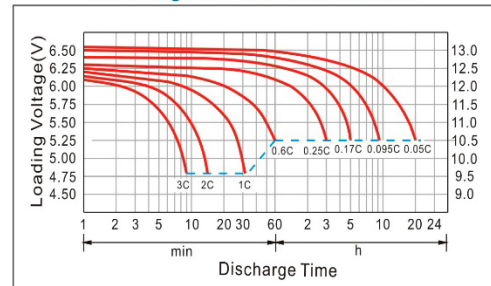
# PQH1209ST1-T2 (12V 228W)



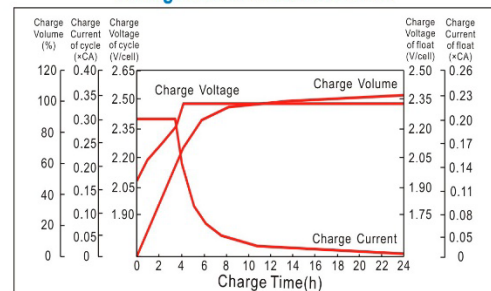
Specifications		PQH1209ST1-T2
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		228W
Dimensions (mm)	Length	151
	Width	65
	Height	94
	Total Height	100
Approx. Weight (kg)		2.65 kg
Terminal		T1-T2

Characteristics		
Capacity (25°C)	20HR (0.455A)	9.10Ah
	10HR (0.869A)	8.69Ah
	5HR (1.553A)	7.76Ah
	1HR (5.648A)	5.64Ah
	15min-rate (19.46A)	4.86Ah
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)		135A(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

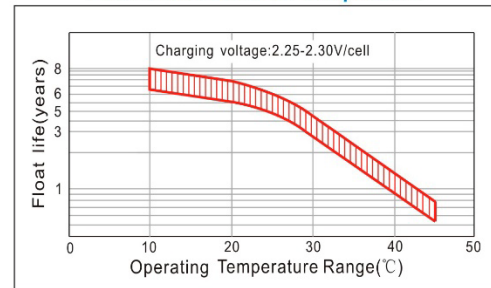
**Discharge Characteristics Curve**



**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	38.66	29.61	26.74	20.10	10.98	5.850	3.296	2.354	1.588	1.051	0.900	0.482	
1.67V/cell	37.41	28.76	25.59	19.46	10.86	5.792	3.272	2.336	1.576	1.043	0.891	0.475	
1.70V/cell	36.71	27.90	24.81	18.82	10.74	5.720	3.245	2.295	1.564	1.035	0.878	0.464	
1.75V/cell	35.24	26.57	23.79	18.16	10.43	5.648	3.218	2.273	1.553	1.026	0.869	0.455	
1.80V/cell	33.73	25.32	22.50	17.42	9.986	5.567	3.191	2.246	1.535	1.013	0.855	0.437	

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	70.87	55.28	50.59	39.17	21.51	11.60	6.537	4.691	3.167	2.097	1.797	0.963	
1.67V/cell	68.90	53.92	48.61	38.00	21.31	11.51	6.499	4.659	3.144	2.081	1.781	0.951	
1.70V/cell	67.91	52.55	47.35	36.91	21.09	11.39	6.462	4.582	3.123	2.067	1.755	0.930	
1.75V/cell	65.78	50.48	45.79	35.79	20.49	11.26	6.414	4.541	3.102	2.050	1.738	0.913	
1.80V/cell	63.53	48.52	43.69	34.47	19.64	11.11	6.365	4.491	3.069	2.025	1.711	0.877	