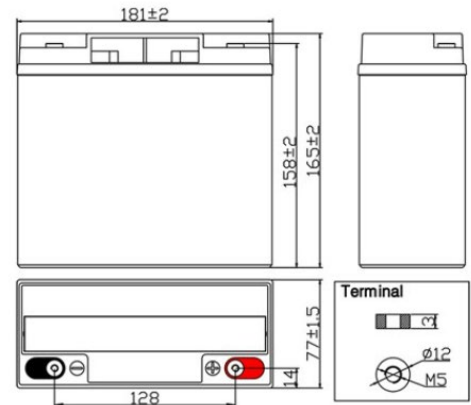
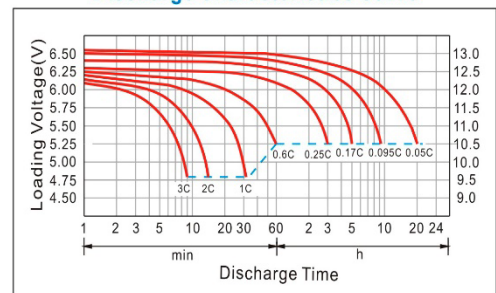


# PQH1220ST10 (12V 450W)

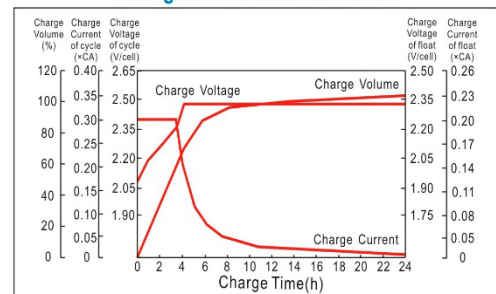


Specifications		PQH1220ST10
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		450W
Dimensions (mm)	Length	181
	Width	77
	Height	165
	Total Height	165
Approx. Weight (kg)		5.8 kg
Terminal		T10

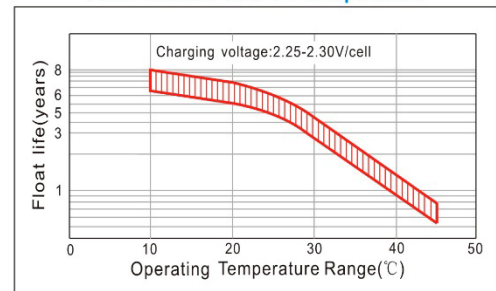
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



Characteristics		
Capacity (25°C)	20HR (1.035A)	20.7Ah
	1HR (1.978A)	19.7Ah
	5HR (3.536A)	17.6Ah
	1HR (12.86A)	12.8Ah
	15min-rate (38.93A)	9.73Ah
Impedance	Fully charged battery (25°C)	Approx. 10mΩ
	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)		270A(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

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	80.87	59.22	53.49	40.20	21.97	13.33	7.507	5.361	3.616	2.394	2.050	1.097	
1.67V/cell	76.41	57.52	51.17	38.93	21.73	13.19	7.452	5.320	3.590	2.376	2.030	1.082	
1.70V/cell	73.42	55.81	49.63	37.64	21.48	13.03	7.390	5.228	3.563	2.358	1.999	1.058	
1.75V/cell	70.48	53.14	47.57	36.32	20.85	12.86	7.329	5.176	3.536	2.337	1.978	1.035	
1.80V/cell	67.47	50.63	45.00	34.83	19.97	12.68	7.267	5.115	3.495	2.306	1.948	0.994	

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	146.2	110.6	101.18	77.59	43.02	26.43	14.89	10.686	7.214	4.777	4.093	2.194	
1.67V/cell	141.5	107.8	97.23	75.26	42.62	26.21	14.80	10.613	7.161	4.740	4.056	2.167	
1.70V/cell	135.8	105.11	94.71	73.08	42.18	25.95	14.72	10.438	7.114	4.707	3.998	2.119	
1.75V/cell	131.6	100.96	91.58	70.83	40.98	25.64	14.61	10.344	7.067	4.670	3.960	2.079	
1.80V/cell	127.1	97.05	87.38	68.21	39.28	25.30	14.50	10.230	6.991	4.613	3.898	1.997	