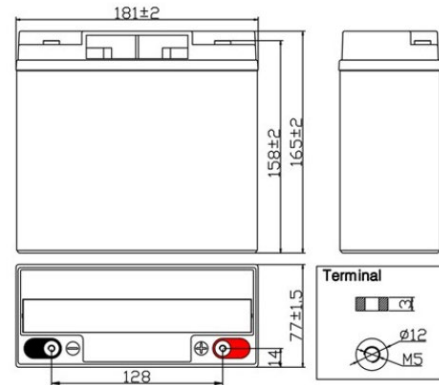


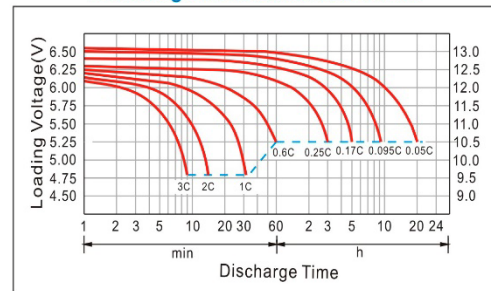
# PQH1218ST10 (12V 18.5Ah 68W)



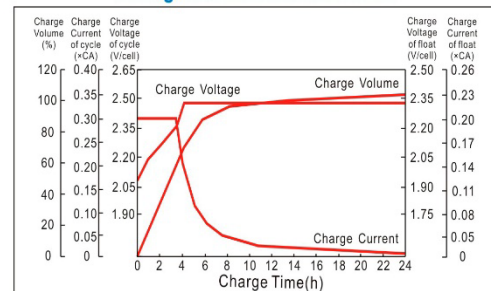
Specifications		PQH1218ST10
Nominal Voltage		12V
Rated Power (25°C) 15min-rate (10.81A to 10 volts)		68W
Dimensions (mm)	Length	181 ± 2 mm
	Width	77 ± 1.5 mm
	Height	165 ± 2 mm
	Total Height	165 ± 2 mm
Approx. Weight (kg)		5.25 kg
Terminal		T10

Characteristics		
Capacity (25°C)	20HR (0.934A to 10.5 volts)	18.6Ah
	10HR (1.785A to 10.5 volts)	17.8Ah
	5HR (3.191A to 10.5 volts)	15.9Ah
	1HR (11.61A to 10.5 volts)	11.6Ah
	15min-rate (34.60A to 10 volts)	8.65Ah
Impedance	Fully charged battery (25°C)	Approx. 13mΩ
	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)		255A(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

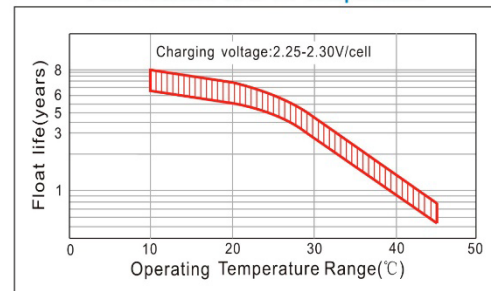
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	72.98	47.82	35.61	18.96	12.03	6.775	4.838	3.263	2.161	1.850	0.990
1.67V/cell	69.61	46.07	34.60	18.69	11.89	6.721	4.777	3.239	2.810	1.827	0.972
1.70V/cell	66.23	44.31	33.58	18.41	11.76	6.669	4.718	3.215	2.128	1.804	0.955
1.75V/cell	59.48	41.53	31.73	17.85	11.61	6.614	4.671	3.191	2.109	1.785	0.934
1.80V/cell	53.37	38.85	29.88	17.30	11.44	6.558	4.616	3.154	2.081	1.758	0.897

Constant Wattage Discharge Characteristics (W/cell), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	132.0	87.28	69.20	36.19	23.85	13.44	9.643	6.510	4.311	3.694	1.980
1.67V/cell	127.0	84.84	68.00	35.81	23.62	13.35	9.530	6.465	5.609	3.651	1.946
1.70V/cell	122.0	82.34	66.67	35.43	23.42	13.28	9.419	6.420	4.248	3.608	1.912
1.75V/cell	111.0	78.57	63.73	34.66	23.14	13.18	9.335	6.377	4.214	3.573	1.876
1.80V/cell	100.5	74.14	60.73	33.87	22.83	13.08	9.232	6.309	4.163	3.518	1.802