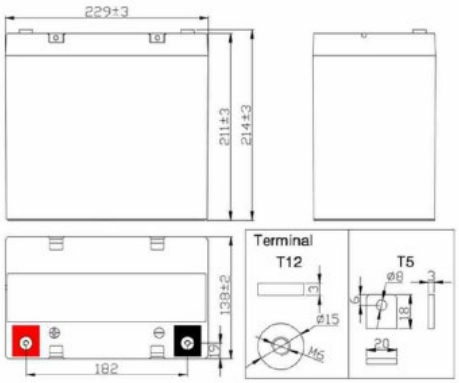
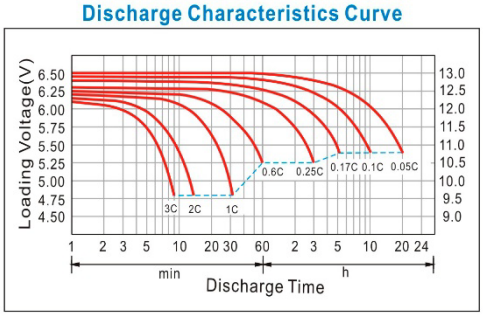
PQH1255ST12-T5 (12V 1200W)



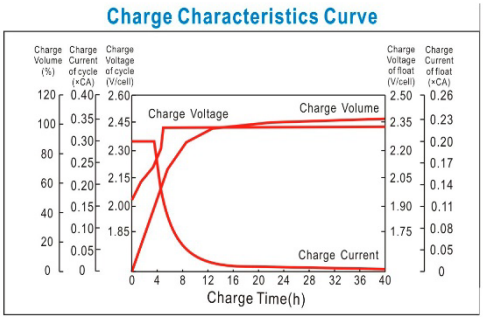
Specifications		PQH1255ST12-T5
Nominal Voltage		**12V**
Rated Power (25°C) 15min-rate		**1200W**
Dimensions (mm)	Length	229
	Width	138
	Height	211
	Total Height (T12)	214
	Total Height (T5)	229
Approx. Weight (kg)		18.0 kg
Terminal		T12/T5

Characteristics		
Capacity (25°C)	10HR (5.555A)	55.5Ah
	5HR (9.510A)	47.5Ah
	1.5HR (26.98A)	40.4Ah
	1HR (34.23A)	34.2Ah
	15min-rate (109.8A)	27.4Ah
Impedance	Fully charged battery (25°C)	Approx. 8.0mΩ
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)		440A(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

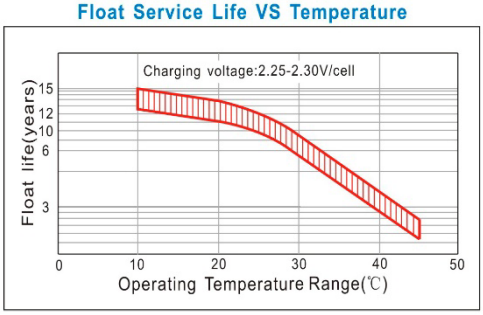
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	8min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H
1.60V/cell	208.1	170.7	154.3	113.3	90.92	64.96	36.37	29.00	14.78	9.917	5.775
1.67V/cell	202.5	165.8	149.1	109.8	87.18	63.25	35.71	28.25	14.70	9.862	5.720
1.70V/cell	196.1	160.9	143.8	106.3	83.33	61.49	35.05	27.50	14.60	9.801	5.665
1.75V/cell	176.1	153.2	132.3	100.9	79.31	59.24	34.23	26.98	14.44	9.653	5.610
1.80V/cell	159.0	146.0	119.0	96.36	76.78	56.76	33.42	26.52	14.16	9.510	5.555

Constant Wattage Discharge Characteristics (W/cell), (25°C)

F.V/TIME	5min	8min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H
1.60V/cell	365.9	303.0	284.2	208.7	167.4	120.7	67.59	54.13	29.32	19.72	11.50
1.67V/cell	359.5	297.1	277.1	204.1	162.0	118.1	66.78	53.06	29.17	19.62	11.40
1.70V/cell	351.4	290.9	269.7	199.3	156.2	115.8	66.00	52.02	29.03	19.54	11.31
1.75V/cell	318.5	279.5	250.2	190.8	150.0	113.0	65.33	51.72	28.78	19.29	11.22
1.80V/cell	290.1	268.8	227.0	183.9	146.5	109.3	64.33	51.27	28.30	19.02	11.11

09-12-2022