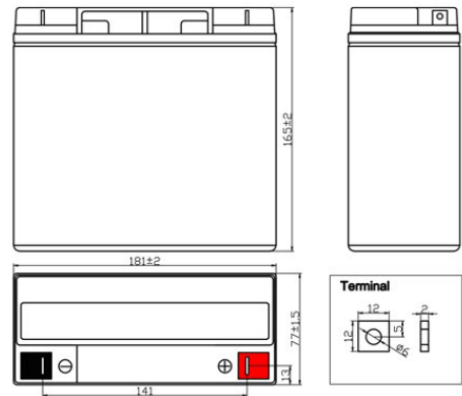


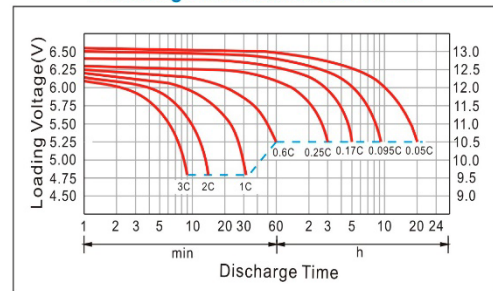
PQH1222ST3 (12V 510W)



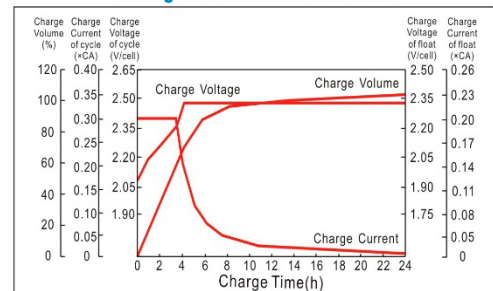
Specifications		PQH1222ST3
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		510W
Dimensions (mm)	Length	181
	Width	77
	Height	165
	Total Height	165
Approx. Weight (kg)		6.25 kg
Terminal		T3

Characteristics		
Capacity (25°C)	20HR (1.111A)	22.2Ah
	1HR (2.123A)	21.2Ah
	5HR (3.795A)	18.9Ah
	1HR (13.81A)	13.8Ah
	15min-rate (43.25A)	10.8Ah
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)		300A (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

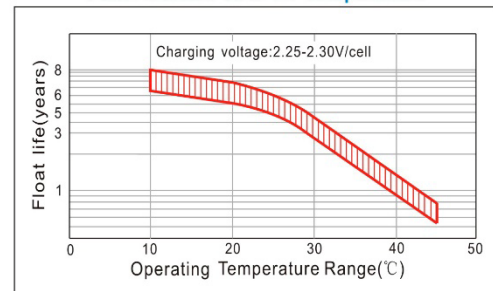
Discharge Characteristics Curve



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	86.79	65.80	59.43	44.67	24.41	14.30	8.056	5.753	3.881	2.570	2.200	1.177	
1.67V/cell	83.14	63.91	56.86	43.25	24.14	14.16	7.997	5.709	3.852	2.550	2.178	1.162	
1.70V/cell	81.58	62.01	55.14	41.82	23.87	13.98	7.931	5.610	3.824	2.530	2.145	1.135	
1.75V/cell	78.31	59.04	52.86	40.36	23.17	13.81	7.865	5.555	3.795	2.508	2.123	1.111	
1.80V/cell	74.96	56.26	50.00	38.70	22.19	13.61	7.799	5.489	3.751	2.475	2.090	1.067	
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	157.5	122.8	112.42	87.59	47.80	28.36	15.98	11.468	7.742	5.126	4.393	2.354	
1.67V/cell	153.1	119.8	108.03	85.00	47.36	28.13	15.89	11.389	7.685	5.087	4.352	2.325	
1.70V/cell	150.9	116.79	105.23	82.58	46.86	27.85	15.80	11.201	7.634	5.052	4.290	2.274	
1.75V/cell	146.2	112.18	101.75	80.08	45.53	27.52	15.68	11.101	7.584	5.012	4.250	2.231	
1.80V/cell	141.2	107.83	97.08	77.17	43.64	27.15	15.56	10.978	7.502	4.950	4.183	2.143	