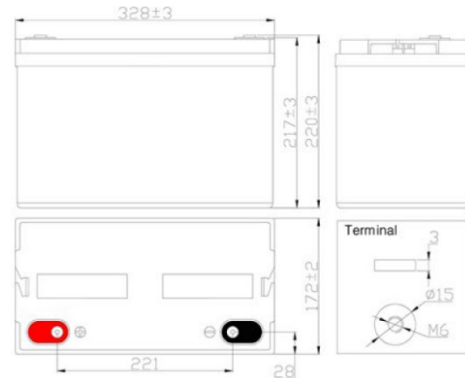


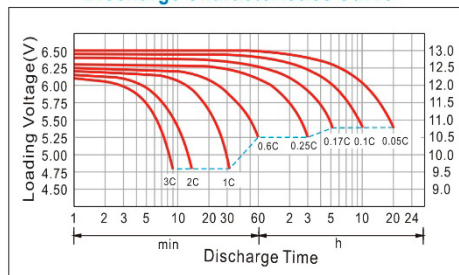
PQH12100ST12 (12V 2220W)



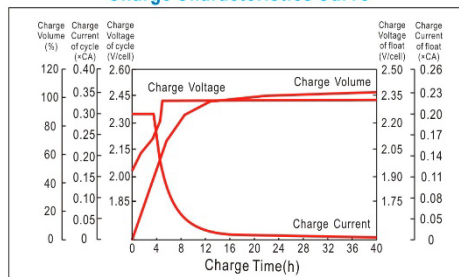
Specifications		PQH12100ST12
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		2220W
Dimensions (mm)	Length	328
	Width	172
	Height	217
	Total Height	220
Approx. Weight (kg)		30.5 kg
Terminal		T12

Characteristics		
Capacity (25°C)	20HR (10.61A)	106.1Ah
	10HR (18.15A)	90.7Ah
	5HR (49.06A)	73.5Ah
	1HR (66.47A)	66.4Ah
	15min-rate (199.7A)	49.9Ah
Impedance	Fully charged battery (25°C)	Approx. 5mΩ
	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)		840A(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

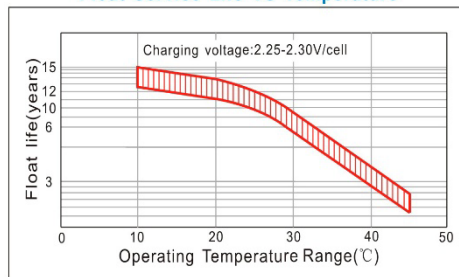
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A), (25°C)											
FV/TIME	5min	8min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H
1.60V/cell	378.4	310.4	280.6	206.0	165.3	118.1	68.25	52.72	28.22	18.93	11.03
1.67V/cell	368.2	301.5	271.1	199.7	158.5	116.6	67.73	51.36	28.06	18.83	10.92
1.70V/cell	356.6	292.5	261.5	193.3	151.5	115.0	67.31	50.00	27.88	18.71	10.82
1.75V/cell	320.2	278.5	240.5	183.4	144.2	111.8	66.47	49.06	27.56	18.43	10.71
1.80V/cell	289.0	265.4	216.3	175.2	139.6	107.5	65.10	48.22	27.04	18.15	10.61
Constant Wattage Discharge Characteristics (W/cell), (25°C)											
FV/TIME	5min	8min	10min	15min	20min	30min	60min	1.5H	3H	5H	10H
1.60V/cell	665.4	551.0	516.8	379.4	304.4	220.5	130.8	98.41	55.98	37.64	21.96
1.67V/cell	653.6	540.2	503.8	371.1	294.5	218.5	130.4	96.47	55.74	37.50	21.79
1.70V/cell	638.9	528.9	490.3	362.4	284.1	216.5	129.6	94.58	55.43	37.30	21.59
1.75V/cell	579.0	508.3	454.9	346.9	272.8	212.5	128.5	94.03	54.94	36.82	21.42
1.80V/cell	527.4	488.8	412.8	334.3	266.4	206.1	126.4	93.23	54.03	36.31	21.21