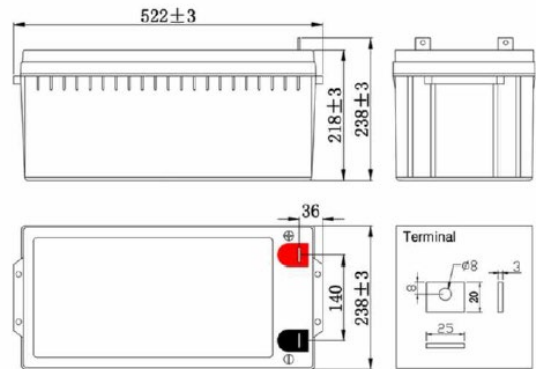


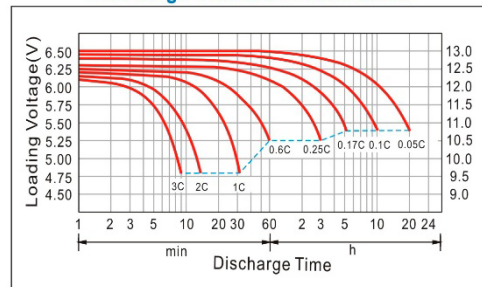
# PQH12200ST9 (12V 4440W)



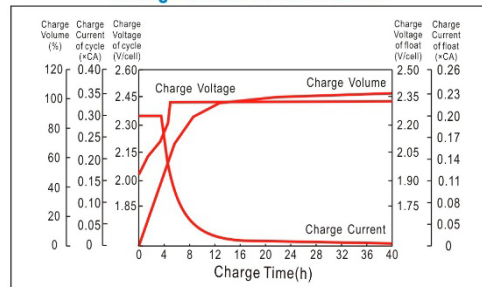
Specifications		PQH12200ST9
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		4440W
Dimensions (mm)	Length	522
	Width	238
	Height	218
	Total Height	238
Approx. Weight (kg)		58 kg
Terminal		T9

Characteristics		
Capacity (25°C)	10HR (20.20A)	202.0Ah
	5HR (34.58A)	172.9Ah
	1.5HR (98.12A)	147.1Ah
	1HR (124.5A)	124.5Ah
	15min-rate (399.4A)	99.8Ah
Impedance	Fully charged battery (25°C)	Approx. 3.5mΩ
	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)		1600A(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

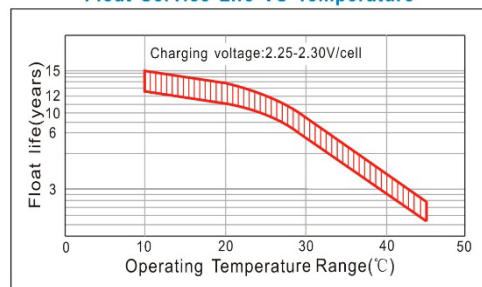
Discharge Characteristics Curve



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	756.8	620.8	561.2	412.0	330.6	236.2	132.3	105.4	53.76	36.06	21.00
1.67V/cell	736.4	603.0	542.2	399.4	317.0	230.0	129.9	102.7	53.44	35.86	20.80
1.70V/cell	713.2	585.0	523.0	386.6	303.0	223.6	127.4	100.0	53.10	35.64	20.60
1.75V/cell	640.4	557.0	481.0	366.8	288.4	215.4	124.5	98.12	52.50	35.10	20.40
1.80V/cell	578.0	530.8	432.6	350.4	279.2	206.4	121.5	96.44	51.50	34.58	20.20
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	1330.7	1101.9	1033.5	758.8	608.9	438.9	245.8	196.8	106.6	71.70	41.83
1.67V/cell	1307.1	1080.4	1007.6	742.2	589.1	429.3	242.8	192.9	106.1	71.36	41.46
1.70V/cell	1277.8	1057.9	980.6	724.9	568.1	421.1	240.0	189.2	105.6	71.04	41.13
1.75V/cell	1158.1	1016.5	909.9	693.9	545.6	411.1	237.5	188.1	104.7	70.14	40.80
1.80V/cell	1054.9	977.6	825.5	668.7	532.8	397.3	233.9	186.5	102.9	69.16	40.40