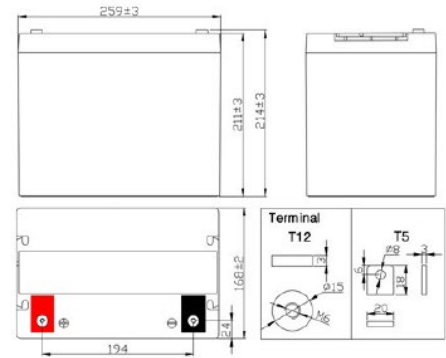


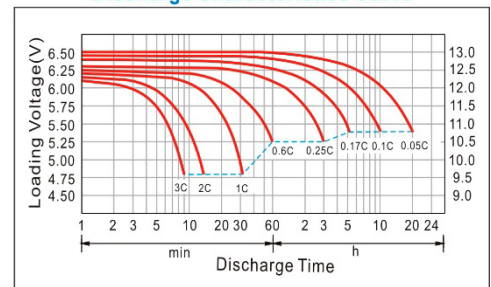
# PQH1280ST12/T5 (12V 270W)



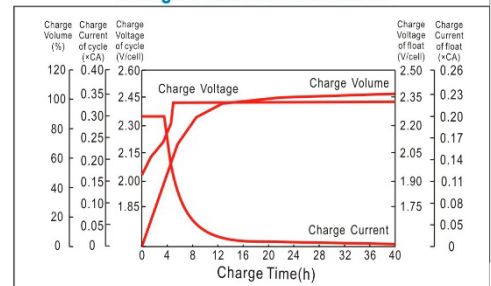
Specifications		PQH1275ST12/T5
Nominal Voltage		12V
Rated Power (25°C) 15min-rate		270W
Dimensions (mm)	Length	259
	Width	168
	Height	211
	Total Height (T12)	214
	Total Height (T5)	229
Approx. Weight (kg)		23.5 kg
Terminal		T12/T5

Characteristics		
Capacity (25°C)	10HR (7.575A)	80.8Ah
	5HR (12.97A)	69.1Ah
	1.5HR (34.34A)	55.2Ah
	1HR (47.48A)	50.6Ah
	15min-rate (139.8A)	37.4Ah
Impedance	Fully charged battery (25°C)	Approx. 7.5mΩ
	Temperature dependence of capacity (20HR)	
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)		600A(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

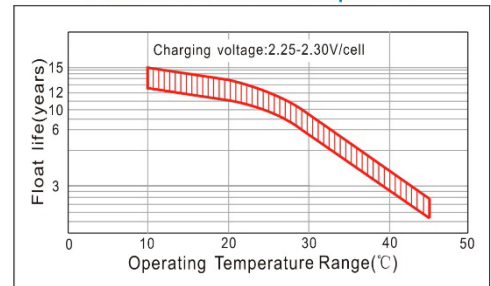
**Discharge Characteristics Curve**



**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	264.9	217.3	196.4	144.2	115.7	84.38	48.75	36.90	20.16	13.52	7.875
1.67V/cell	257.7	211.1	189.8	139.8	111.0	83.25	48.38	35.95	20.04	13.45	7.800
1.70V/cell	249.6	204.8	183.1	135.3	106.1	82.13	48.08	35.00	19.91	13.37	7.725
1.75V/cell	224.1	195.0	168.4	128.4	100.9	79.88	47.48	34.34	19.69	13.16	7.650
1.80V/cell	202.3	185.8	151.4	122.6	97.72	76.80	46.50	33.75	19.31	12.97	7.575

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	465.7	385.7	361.7	262.4	213.1	157.5	93.44	68.89	39.98	26.89	15.68
1.67V/cell	457.5	378.1	352.7	256.7	206.2	156.1	93.12	67.53	39.81	26.78	15.56
1.70V/cell	447.2	370.3	343.2	250.6	198.8	154.7	92.54	66.21	39.59	26.64	15.42
1.75V/cell	405.3	355.8	318.5	239.7	190.9	151.8	91.79	65.82	39.24	26.30	15.30
1.80V/cell	369.2	342.1	288.9	230.8	186.5	147.2	90.29	65.26	39.98	25.94	15.15