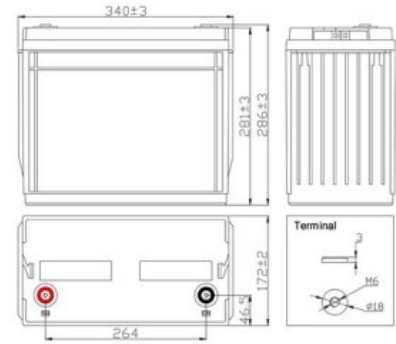


PQC12135T13 (12V 135Ah)

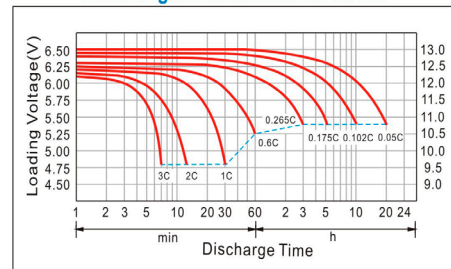


Unit: mm

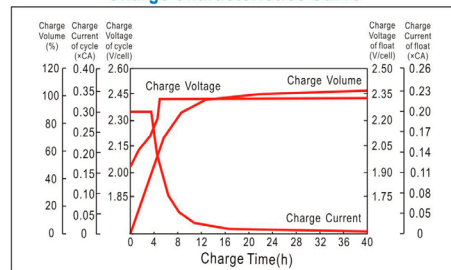
Specifications		PQC12135T13
Nominal Voltage		12V
Rated Capacity		135Ah
Dimensions (mm)	Length	340
	Width	172
	Height	281
	Total Height	286
Approx. Weight (kg)		39
Terminal		T13

Characteristics		
Capacity 25°C	20HR (7.358A)	147.1Ah
	10HR (13.77A)	137.7Ah
	5HR (23.63A)	118.1Ah
	1HR (85.46A)	85.4Ah
Impedance	Fully charged battery	Approx.
	25°C	4 mΩ
Temperature dependence of capacity (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		1080A (5s)
Expected cycle life (@ DOD 80%)		450
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 1080A
	Float	13.6~13.8V(-18mV/°C)

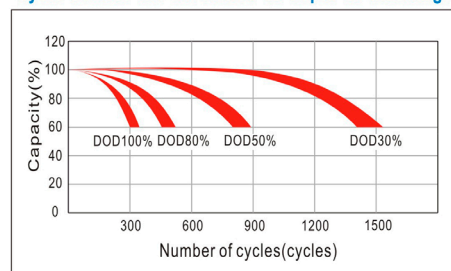
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	459.0	305.8	244.9	151.9	87.75	52.45	37.26	24.95	16.77	14.31	7.830
1.70V/cell	411.8	281.5	232.9	147.8	86.54	51.77	36.59	24.35	16.50	14.11	7.628
1.75V/cell	371.3	259.9	222.1	143.8	85.46	51.10	36.18	23.99	16.34	13.97	7.493
1.80V/cell	330.8	236.9	208.6	138.2	83.70	50.40	35.78	23.63	16.09	13.77	7.358

Constant Wattage Discharge Characteristics (W), (25°C)											
FV/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	791.8	545.3	444.9	283.5	168.2	102.3	73.90	49.60	33.37	28.50	15.65
1.70V/cell	727.4	511.3	428.9	278.4	166.6	101.4	72.74	48.55	32.91	28.17	15.26
1.75V/cell	665.2	478.6	412.7	273.2	165.2	100.5	72.12	47.94	32.67	27.95	14.99
1.80V/cell	600.9	442.3	391.1	265.0	162.5	100.0	71.49	47.25	32.18	27.54	14.72