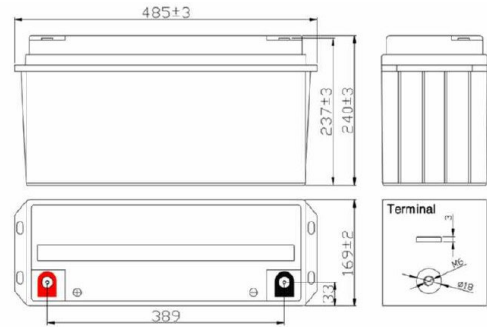
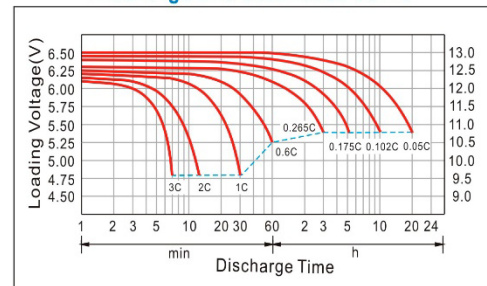


# PQC12150-T13 (12V 150Ah)



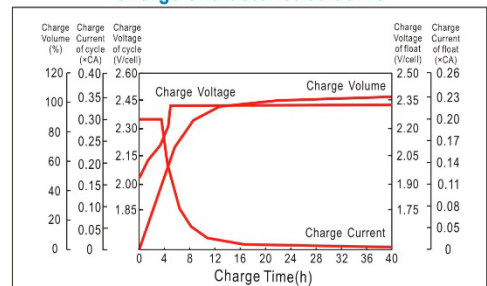
Specifications		PQC12150-T13
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		150Ah
Dimensions (mm)	Length	485
	Width	169
	Height	240
	Total Height T12	240
Approx. Weight (kg)		43.5 kg
Terminal		T13

**Discharge Characteristics Curve**

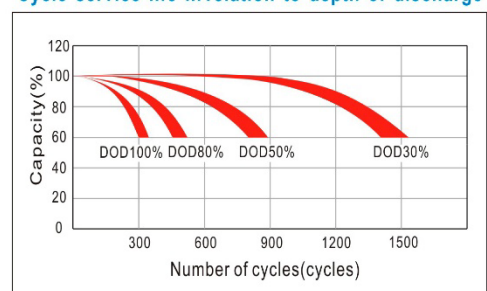


Characteristics		
Capacity (25°C)	20HR (8.175A)	163.5Ah
	10HR (15.30A)	153.0Ah
	5HR (26.25A)	131.2Ah
	1HR (94.95A)	94.9Ah
	Fully charged battery (25°C)	Approx. 4mΩ
Impedance	Fully charged battery (25°C)	
	Approx. 4mΩ	
	Temperature dependence of capacity (20HR)	
	40°C	107%
Temperature dependence of capacity (20HR)	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)	1200A (5s)	
Expected cycle life (@ DOD 80%)	450	
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

**Charge Characteristics Curve**



**Cycle service life in relation to depth of discharge**



Constant Current Discharge Characteristics (A), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	510.0	339.8	272.1	168.8	52.00	58.28	41.40	27.72	18.63	15.90	8.700
1.70V/cell	457.5	312.8	258.8	164.3	51.28	57.53	40.65	27.06	18.33	15.68	8.475
1.75V/cell	412.5	288.8	246.8	159.8	50.64	56.78	40.20	26.66	18.15	15.53	8.325
1.80V/cell	367.5	263.3	231.8	153.6	49.60	56.00	39.75	26.25	17.88	15.30	8.175

Constant Wattage Discharge Characteristics (W/cell), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	879.8	605.9	494.3	315.0	186.9	113.6	82.11	55.12	37.07	31.67	17.39
1.70V/cell	808.3	568.2	476.5	309.3	185.1	112.7	80.83	53.94	36.57	31.30	16.96
1.75V/cell	739.1	531.8	458.5	303.5	183.6	111.7	80.13	53.27	36.30	31.05	16.65
1.80V/cell	667.6	491.4	434.5	294.4	180.6	111.1	79.43	52.50	35.76	30.60	16.35