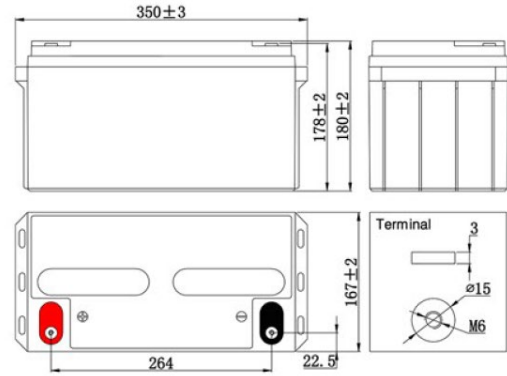
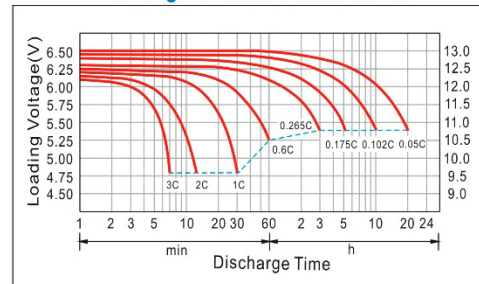


PQC1280AX-T12 (12V 80Ah)



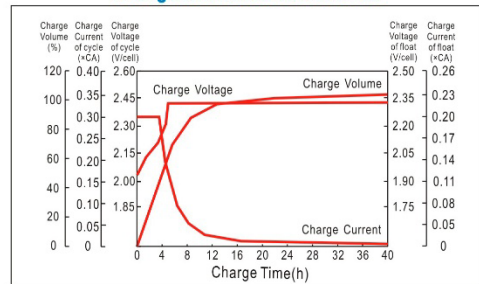
Specifications		PQC1280AX-T12
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		80Ah
Dimensions (mm)	Length	350
	Width	167
	Height	180
	Total Height T12	180
Approx. Weight (kg)		23.0 kg
Terminal		T12

Discharge Characteristics Curve

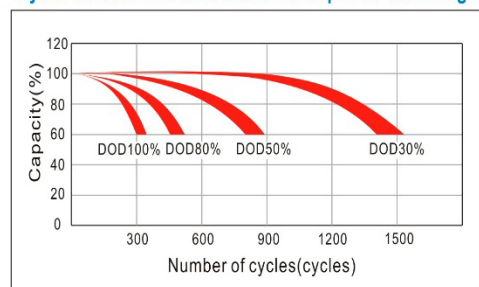


Characteristics		
Capacity (25°C)	20HR (4.360A)	87.2Ah
	10HR (8.160A)	81.6Ah
	5HR (14.00A)	70.0Ah
	1HR (50.64A)	50.6Ah
Impedance	Fully charged battery (25°C)	Approx. 6.5mΩ
	Temperature dependence of capacity (20HR)	
	40°C	107%
	25°C	100%
	0°C	76%
	-15°C	56%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		640A(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	272.0	181.2	145.1	90.00	52.00	31.08	22.08	14.78	9.936	8.480	4.640	
1.70V/cell	244.0	166.8	138.0	87.60	51.28	30.68	21.68	14.43	9.776	8.360	4.520	
1.75V/cell	220.0	154.0	131.6	85.20	50.64	30.28	21.44	14.22	9.680	8.280	4.440	
1.80V/cell	196.0	140.4	123.6	81.92	49.60	29.86	21.20	14.00	9.536	8.160	4.360	

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	469.2	323.1	263.6	168.0	99.67	60.61	43.79	29.40	19.77	16.89	9.272	
1.70V/cell	431.1	303.0	254.2	165.0	98.71	60.08	43.11	28.77	19.50	16.69	9.040	
1.75V/cell	394.2	283.6	244.6	161.9	97.90	59.55	42.74	28.41	19.36	16.56	8.880	
1.80V/cell	356.1	262.1	231.8	157.0	96.31	59.23	42.36	28.00	19.07	16.32	8.720	