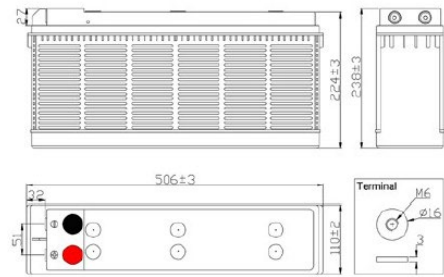
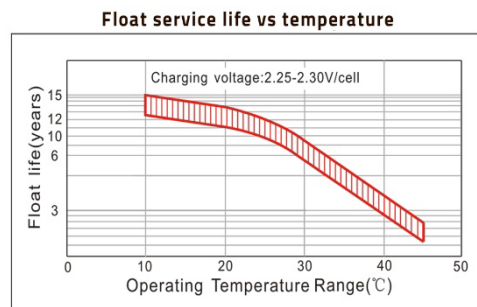
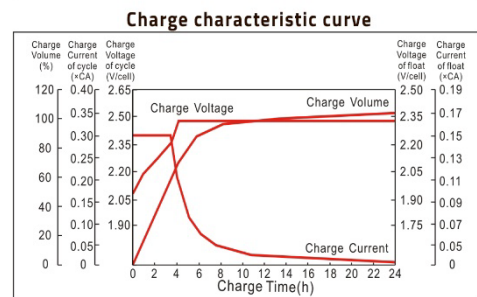
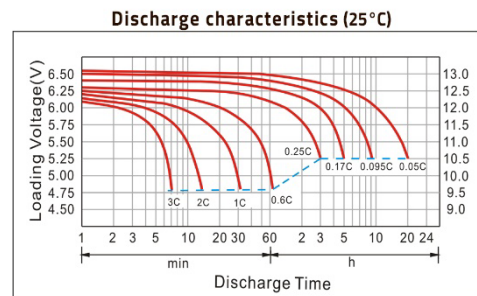


PQF12100FTA (12V 100Ah)



Specifications		PQF12100FTA
Nominal Voltage		12V
Rated Capacity (25°C), (20HR)		100Ah
Dimensions (mm)	Length	506 ± 3 mm
	Width	110 ± 2 mm
	Height	238 ± 3 mm
	Total Height	238 ± 3 mm
Approx. Weight (kg)		28.5 kg
Terminal		M6

Characteristics		
Capacity (25°C)	20HR (5.360A to 10.8 volts)	107.2Ah
	10HR (10.10A to 10.8 volts)	101.0Ah
	5HR (17.29A to 10.8 volts)	86.4Ah
	1HR (63.30A to 10.5 volts)	63.3Ah
Impedance	Fully charged battery (25°C)	Approx. 5mΩ
Temperature dependence of capacity (20HR)	40°C	107%
	25°C	100%
	0°C	76%
Self-discharge (20°C) (remaining capacity)	3 months	90%
	6 months	80%
	12 months	60%
Max. discharge current (25°C)		800A(5s)
Service life acc. to EUROBAT (25°C)		10-12 years
Constant voltage charge (25°C)	Cycle	14.5~14.9V(-24mV/°C) max. current: 0.3CA
	Float	13.6~13.8V(-18mV/°C) max. current: 0.2CA



Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	335.0	215.0	175.0	112.5	65.00	38.85	26.88	18.03	12.42	10.50	5.760
1.70V/cell	295.0	195.0	167.5	109.5	64.10	38.35	26.55	17.82	12.22	10.30	5.560
1.75V/cell	265.0	180.0	158.5	106.5	63.30	37.85	26.25	17.55	12.10	10.20	5.460
1.80V/cell	230.0	163.0	148.5	102.4	62.00	37.33	25.75	17.29	11.92	10.10	5.360

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	577.9	383.4	317.9	210.0	124.6	75.76	53.31	35.85	24.72	20.91	11.51
1.70V/cell	521.2	354.3	308.5	206.2	123.4	75.10	52.79	35.52	24.38	20.57	11.12
1.75V/cell	474.8	331.5	294.5	202.4	122.4	74.44	52.33	35.07	24.20	20.40	10.92
1.80V/cell	417.8	304.3	278.4	196.3	120.4	74.04	51.46	34.58	23.84	20.20	10.72