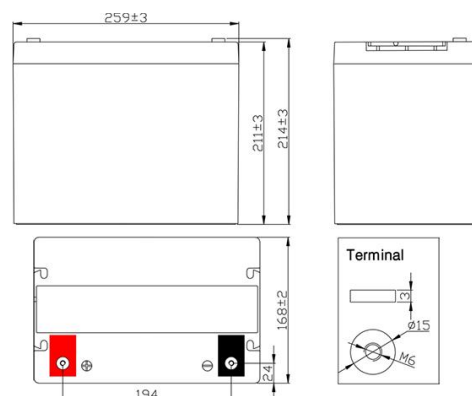


Sealed Acid Batteries AGM/VRLA (12V 75Ah)

Model: PL-75-12FR

epcom
POWER ⚡ LINE



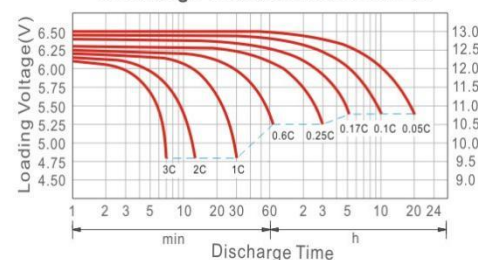
Specifications

Nominal Voltage		12 V
Rated Capacity 77°F (25°C) (20HR)		75 Ah
Dimensions (mm / inch)	Length	10.2 inches (259mm)
	Width	6.61 inches (168mm)
	Height	8.31 inches (211mm)
	Total Height	8.43 inches (214mm)
Approx. Weight		47.4 lbs. (21.5kg)
Terminal		M6

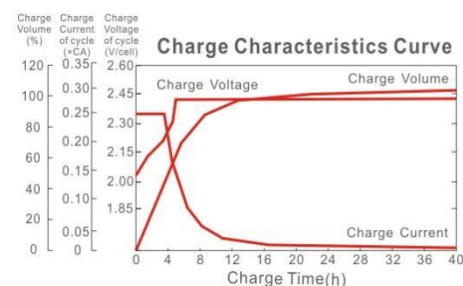
Characteristic

Capacity 77°F (25°C)	20h rate (4.020A to 10.8 volts)	80.4 Ah
	10h rate (7.575A to 10.8 volts)	75.7 Ah
	5h rate (12.97A to 10.8 volts)	64.8 Ah
	1h rate (47.48A to 10.5 volts)	47.4 Ah
Internal Resistance	Full Charged Battery 77°F (25°C)	Approx. 7.5mΩ
	104°F (40°C)	107 %
Temperature dependence of capacity (20HR)	77°F (25°C)	100 %
	32°F (0°C)	76 %
	4°F (-20°C)	46 %
Self-Discharge 68°F (20°C) (Capacity after)	3 months storage	90 %
	6 months storage	80 %
	12 months storage	60 %
Max. Discharge Current, 77°F (25°C)		600A (5s)
Floating design life, 77°F (25°C)		10 years
Constant Voltage Charge, 77°F (25°C)	Cycle	14.4~14.7V (-24mV/°C) max. current: 22.5 A
	Float	13.6-13.8V (-18mV/°C)

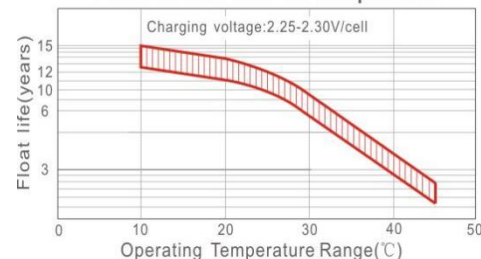
Discharge Characteristics Curve



Charge Characteristics Curve



Float Service Life VS Temperature



Constant Current Discharge Characteristics (A,25°)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	251.3	161.3	131.25	84.38	48.75	29.14	20.16	13.52	9.315	7.875	4.320
1.70V/cel	221.3	146.3	125.63	82.13	48.08	28.76	19.91	13.37	9.165	7.725	4.170
1.75V/cell	198.8	135.0	118.9	79.88	47.48	28.39	19.69	13.16	9.075	7.650	4.095
1.80V/cell	172.5	122.3	111.4	76.80	46.50	28.00	19.31	12.97	8.940	7.575	4.020

Constant Wattage Discharge Characteristics (Watt,25°)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	433.4	287.6	238.4	157.5	93.44	56.82	39.98	26.89	18.54	15.68	8.633
1.70V/cel	390.9	265.7	231.4	154.7	92.54	56.33	39.59	26.64	18.28	15.42	8.340
1.75V/cell	356.1	248.6	220.9	151.8	91.79	55.83	39.24	26.30	18.15	15.30	8.190
1.80V/cell	313.4	228.2	208.8	147.2	90.29	55.53	38.59	25.94	17.88	15.15	8.040