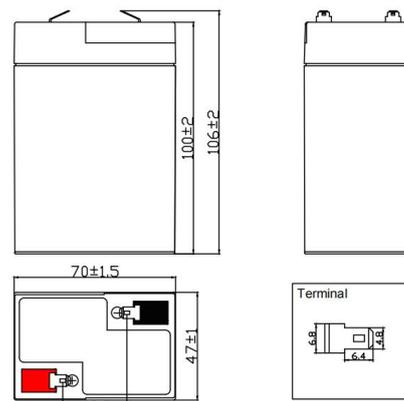


Sealed Acid Batteries AGM/VRLA (6V 4.5Ah)

Model: PL-4.5-6

epcom[®]
POWER ⚡ LINE



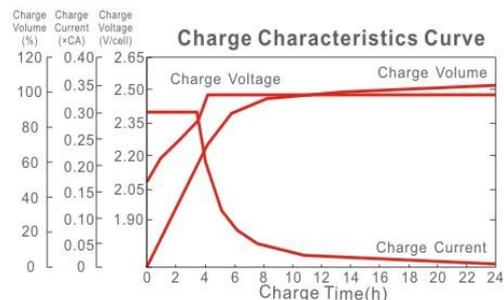
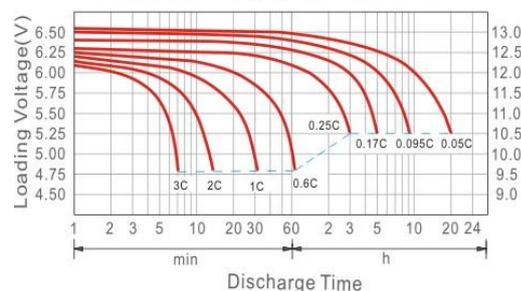
Specifications

Nominal Voltage	6 V	
Rated Capacity 77°F (25°C) (20HR)	4.5 Ah	
Dimensions (mm / inch)	Length	2.75 inches (70mm)
	Width	1.85 inches (47mm)
	Height	3.94 inches (100mm)
	Total Height	4.17 inches (106mm)
Approx. Weight	1.54 lbs. (0.7kg)	
Terminal	F1	

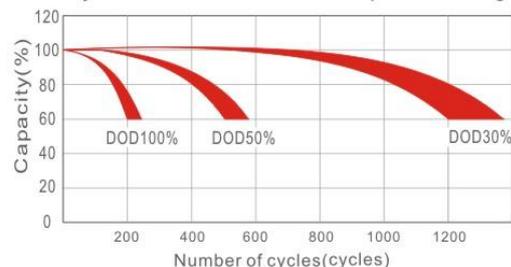
Characteristic

Capacity 77°F (25°C)	20h rate (0.227A to 10.5 volts)	4.54 Ah
	10h rate (0.434A to 10.5 volts)	4.34 Ah
	5h rate (0.776A to 10.5 volts)	3.88 Ah
	1h rate (2.750A to 9.6 volts)	2.75 Ah
Internal Resistance	Full Charged Battery 77°F (25°C)	Approx. 24mΩ
	104°F (40°C)	107 %
	77°F (25°C)	100 %
Temperature dependence of capacity (20HR)	32°F (0°C)	76 %
	4°F (-20°C)	46 %
	3 months storage	90 %
Self-Discharge 68°F (20°C) (Capacity after)	6 months storage	80 %
	12 months storage	60 %
	Max. Discharge Current, 77°F (25° C)	67.5A (5s)
Floating design life, 77°F (25° C)	5 years	
Constant Voltage Charge, 77°F (25°C)	Cycle	14.5~14.9V (-24mV/°C) max. current: 1.35 A
	Float	13.6-13.8V (-18mV/°C)

Discharge Characteristics Curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A,25")

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	16.69	10.93	8.143	4.336	2.750	1.549	1.177	0.794	0.526	0.450	0.241
1.70V/cel	15.14	10.13	7.677	4.209	2.688	1.525	1.148	0.782	0.518	0.439	0.232
1.75V/cell	13.60	9.496	7.254	4.082	2.654	1.512	1.136	0.776	0.513	0.434	0.227
1.80V/cell	12.20	8.883	6.831	3.955	2.616	1.500	1.123	0.767	0.506	0.428	0.218

Constant Wattage Discharge Characteristics (Watt,25")

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	30.18	19.96	15.00	8.274	5.453	3.072	2.346	1.584	1.049	0.899	0.482
1.70V/cel	27.89	18.83	14.40	8.102	5.354	3.037	2.291	1.562	1.033	0.878	0.465
1.75V/cell	25.39	17.96	13.72	7.926	5.291	3.014	2.271	1.551	1.025	0.869	0.456
1.80V/cell	22.98	16.95	13.04	7.745	5.219	2.992	2.246	1.535	1.013	0.856	0.438