



## MPA 140-12 XL 12V-140Ah - Deep Cycle AGM battery

### Electrical Specifications

Nominal Voltage	12	V
Nominal capacity (C/20)	140	Ah
Capacity at 20° C to 1.75Vpc	20 hour rate	140 Ah
	10 hour rate	130 Ah
	5 hour rate	120 Ah
	3 hour rate	92 Ah
	1 hour rate	70 Ah
Current versus time in minutes	75A	55 Minutes
	25A	230 Minutes
Maximum discharge	750	Amp (5 sec)
Internal resistance (approx.)	3,2	mΩ
<i>fully charged battery (25° C)</i>		
Self discharge	3% of capacity per month	(at 20° C)

### Mechanical and Other Specifications

Cycle life 50% DoD	1200	Cycles
Cycle life 75% DoD	800	Cycles
Dimensions	LxWxH	327x176x254 mm
	Total height	274 mm
Operating temperature	-10 to 60	°C
Separator	Random Glass Matt, S wrapped	
Grid alloy	Pb - Tn - AL	
Container material	Polypropylene (PP)	
Vent	Valve regulated construction	
Industrial type number	-	
Terminal type	AM (SAE + Stud 5/16")	
<small>Durable copper and stainless steel for high electric conductivity</small>		
Weight (approx.)	40,5	kg

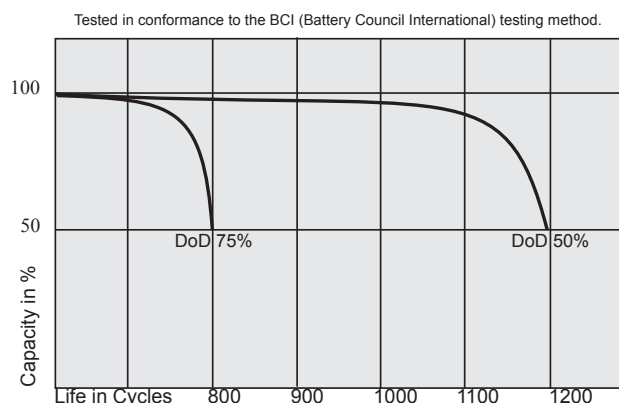
### General Features

- High tin alloy grids - less gassing
- High corrosion resistant, low self discharge
- Environmentally friendly, classified as 'non-spillable' battery
- Excellent cycle life: 75% DOD 800 cycles
- High strength ABS or PP caser/cover and valve regulated construction
- Maintenance free

### Applications

- Electric vehicles and golf carts
- Industrial equipment
- Aerial/platform lifts
- Floor scrubber, cleaning machines
- Marine and mobile homes (RV's)
- Mobility and medical equipment
- Traffic/solar systems

### Battery life under Cyclic Use



### Battery Charging

- Charging Voltage max 2,40 - 2,45 Vpc (2,65 Vpc <10% Inom), Float charge 2,25 – 2,3 Vpc
- Maximum charging current; 35Amp
- Minimum charging current; 12Amp

### Cycle life

- To maximise the cycle life of the battery, we recommend to charge the battery fully after use.
- The total cycle life is very dependent on the correct charge and depth of discharge (DoD)!