



MPG 60-12

12V-60Ah - Cyclic GEL battery

Electrical Specifications



Nominal Voltage		12	V
Nominal Capacity (C/20)		60	Ah
Capacity 20°C to 1.7V	20 hour rate	60	Ah
	10 hour rate	55	Ah
	5 hour rate	52	Ah
	3 hour rate	44	Ah
	1 hour rate	33	Ah
Current versus time	75A	21	Minutes
	25A	77	Minutes
	20A	105	Minutes
	15A	298	Minutes
	8A	615	Minutes
Shelf life without recharge @ 20°C		12	Months
Internal Resistance		>5	mΩ

Other Specifications



Cycle Life 50% DoD		550	Cycles
Cycle Life 75% DoD		400	Cycles
Dimensions	LxWxH	260x168x180	mm
	Total height	180	mm
Operating Temperature		-20 to 50	°C
Separator		Microporous polymer separator	
Grid alloy		Pb - Ca - AL	
Case and cover		ABS	
Vent		Self Sealing	
Electrolyte		Gelled	
Terminal		Female M6	
Torque setting		5-7	Nm
Weight		21,5	Kg

General Features



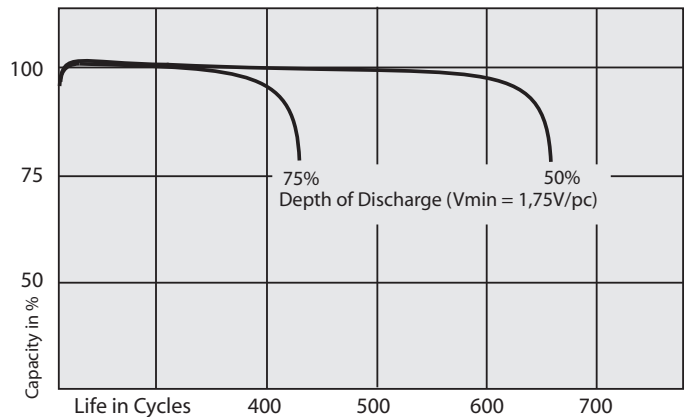
- International Standard Footprint
- Valve Regulated cells
- Low Internal Resistance
- High Initial capacity
- Non Hazardous
- Lifting handle

Typical Applications



- Wheelchairs
- Scooters, 2/3 and 4 wheels
- Electric cars
- Cleaning Machines
- Personal Carriers
- Utility Vehicles

Battery life under Cyclic Use



Battery Charging



- Charging Voltage max 2,4 Vpc, float charge 2,27 - 2,3 Vpc
- Maximum charging current; 0,2A per Ah (C20 Capacity) e.g. MPG 60 -12 = 60 x 0,2 = 12Amp
- Minimum charging current; 0,1A per Ah (C20 Capacity) e.g. MPG 60-12 = 60 x 0,1 = 6,0Amp

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 dependant on the correct charge and depth of discharge (DOD)!
- ISO9001 - 2000, ISO14001-2004 and UL recognised.