

APPLICATIONS



Powerchairs / home mobility equipment
Scooters, 3- and 4 wheels
Toys for children
Lifts (stairs / bathrooms)
Personal Carriers
Utility Vehicles

SPECIFICATIONS



Nominal Voltage	12V	
Nominal capacity @20 hour rate	52Ah	
Capacity at 25°C	10 hour rate	48Ah
	5 hour rate	45Ah
	1 hour rate	31.,5Ah
Shelf time @20°C up to 70%	in months	9
Internal resistance (at 1 KHz)	approx. 6 mΩ	
Operating temperature for (dis)charge	-15°C to + 40°C	

DIMENSIONS



Dimensions LxWxH (T) in mm	224x120x175 (175)
Weight	12,6kg (±2%)
Separator	AGM, Advanced Glass Matt
Case and cover	ABS (UL94-V0 optional)
Terminal	M5 Bolt
Torque setting (recommended)	M5 (copper): 2,9 Nm
Maximum allowable torque value	M5 (copper): 4.,9 Nm

CHARGING

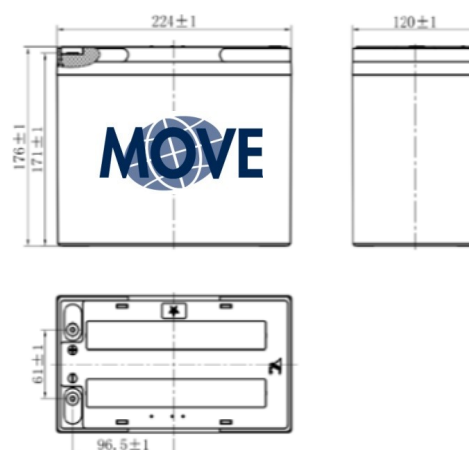


Charging Voltage cycle use 14,8 to 16 Volt (U2)
Float charge Voltage 13,7 Volt
Charging current, minimum 4A - maximum 8A

CYCLE LIFE



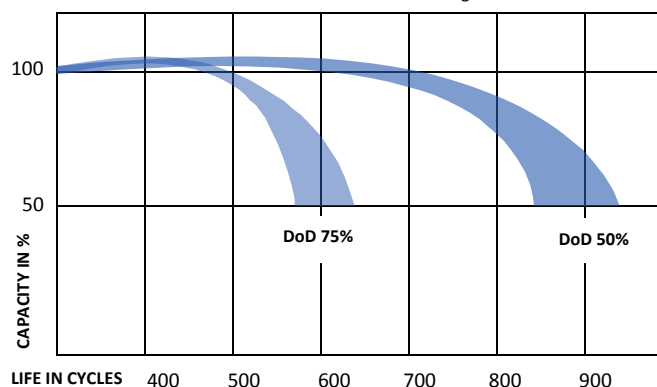
To maximize the cycle life of the battery, we recommend to charge the battery fully after use. The total life of the battery, is very dependant on the correct charge and depth of discharge per cycle.



BATTERY LIFE UNDER CYCLIC USE



Tested in conformance to the BCI testing method



* Cycle life is measured with a discharge current 0,2C, charged 16h and rest capacity of 2/3 Cn