



# SC 80

## AGM Semi-Cycle Battery

80Ah | 12V | 100h | 760 A

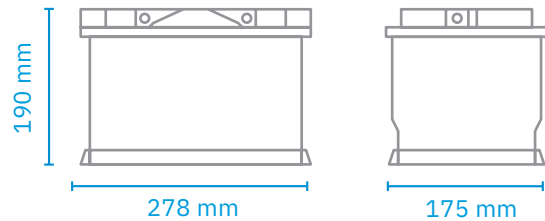
### Electrical Specifications

Nominal voltage	12V
Rated capacity	80Ah (at C <sub>100</sub> )
Separator	AGM
Electrolyte	Sulphuric acid
CCA at -18 °C	760 A
Plate technology	Calcium / Calcium
Cycle Life in Relation to Depth of Discharge	800 Cycles at 30 % DoD 500 Cycles at 50 % DoD 300 Cycles at 80 % DoD 200 Cycles at 100 % DoD

### Mechanical Specifications

Measurements (L x W x H)	278 x 175 x 190 mm
Weight	20,70 kg
Terminal type	Conical (pole acc. to IEC-60095-2)
Case / lid material	Polypropylen
Lid type	Kamina
Carrying handles	Available

### Measurements



### Standards

Standards	IEC 60254 IEC 61427
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### Discharge Specifications

Discharge rate	C <sub>5</sub> (5h)	C <sub>10</sub> (10h)	C <sub>20</sub> (20h)	C <sub>100</sub> (100h)	Capacity at 25 A
End of discharge voltage	10,20V	10,80V	10,50V	10,80V	10,50V
Discharge capacity	50Ah	61Ah	70Ah	80Ah	125min

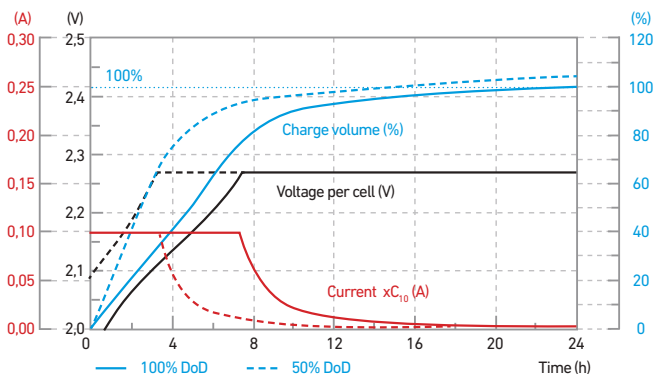
#### Temperature correction factor of discharge capacity

Temperature	-20 °C	-10 °C	0 °C	10 °C	20 °C	40 °C
Correction Factor	0,50	0,70	0,83	0,91	0,97	1,04

### Charge Specifications

- Charging profiles: WaW0 and IUIa Charge factor: 1.10 to 1.20

Charge with constant voltage 2.27V per cell at 20°C and limit current 0.1 C<sub>10</sub> A



Charge with constant voltage 2.40V per cell at 20°C and limit current 0.2 C<sub>10</sub> A

