



# DC 100

## AGM Deep Cycle Battery

12 V | 100 Ah | 100 h

### Electrical Specifications

Nominal voltage	12 V
Rated capacity	100 Ah (@ C <sub>100</sub> )
Separator	AGM
Electrolyte	Sulphuric acid
Cycles at 50% DoD	up to 500
PVES applications	up to 1000 cycles
Plate technology	Calcium / Calcium

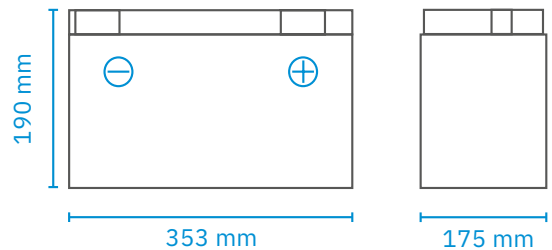
### Mechanical Specifications

Measurements (L x W x H)	353 x 175 x 190 mm
Weight	27.80 kg
Terminal type	Conical (pole acc. to IEC-60095-2)
Case / lid material	Polypropylene
Lid type	Kamina
Carrying handles	Available

### Standards

Standards	IEC 60254 IEC 61427
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### Measurements



### 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	10.20 V	10.80 V	10.50 V	10.80 V	10.50 V
Discharge capacity	67 Ah	81 Ah	90 Ah	100 Ah	175 min

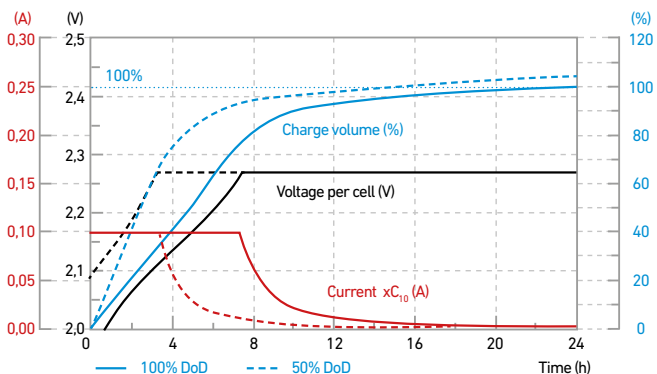
#### Temperature correction factor of discharge capacity

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 – 1.20

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



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

