



DC 180

AGM Deep Cycle Battery

12 V | 180 Ah | 100 h

Electrical Specifications

Nominal voltage	12 V
Rated capacity	180 Ah (@ C ₁₀₀)
Separator	AGM
Electrolyte	Sulphuric acid
Cycles at 50% DoD	up to 500
PVES applications	up to 1000 cycles
Plate technology	Calcium / Calcium

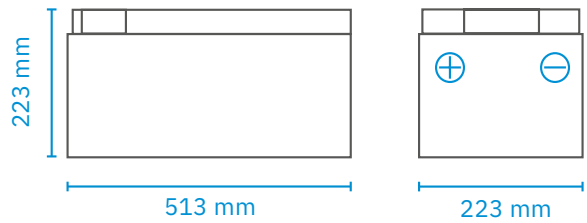
Mechanical Specifications

Measurements (L x W x H)	513 x 223 x 223 mm
Weight	49.50 kg
Terminal type	Conical (pole acc. to IEC-60095-2)
Case / lid material	Polypropylene
Lid type	Kamina
Carrying handles	Available

Standards

Standards	IEC 61056
	IEC 61427
	IEC 60896

Measurements



Discharge Specifications

Discharge rate	C ₅ (5h)	C ₁₀ (10h)	C ₂₀ (20h)	C ₁₀₀ (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	130 Ah	145 Ah	160 Ah	180 Ah	300 min

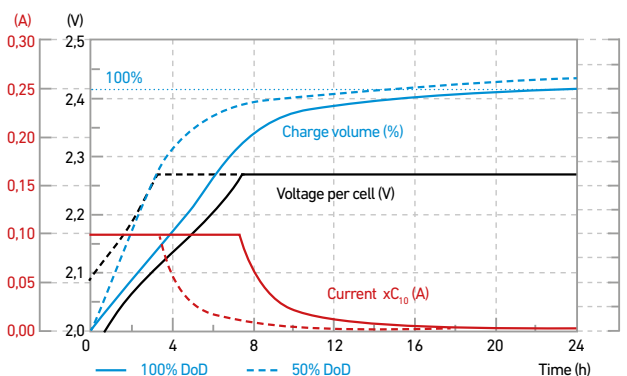
Temperature correction factor of discharge capacity

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 C₁₀ A



Charge with constant voltage 2.40 V per cell at 20 °C and limit current 0.2 C₁₀ A

