

# Panther Batterien

alles startklar!



Energie in Perfektion!



## 12 V 220 Ah (C<sub>20</sub>) Deep Cycle AGM Battery

PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	518 mm	20.2 inch
Width	276 mm	11.1 inch
Height	242 mm	9.5 inch
Typical weight	59.0 kg	130.1 lbs



**AGM 220**  
**Typ A220**

### Specifications:

- Nominal voltage: 12 V
- Rated capacity: 220 Ah (at C<sub>10</sub>)
- Separator: AGM
- Electrolyte: Sulphuric acid; analytical grade
- Self discharge: < 2.5% per month at 20°C
- Standards: IEC 61056; IEC 61427; IEC 60896
- Venting valve: One way, self resealing
- Degassing system: Central
- Terminal type: Top / Automotive
- Case / lid material: Polypropylene
- Carrying Handles: Available (2)

### Performance characteristics:

BATTERY DISCHARGE PERFORMANCE AT 25°C						
Discharge time	15 min	1 h	5 h	10 h	100 h	
End of discharge voltage	9.60 V	9.60 V	10.20 V	10.80 V	10.80 V	
Discharge capacity	95 Ah	135 Ah	175 Ah	190 Ah	220 Ah	
Constant power discharge (per block)	4200 W	1560 W	410 W	220 W	25.5 W	
Reserve capacity at 25 A	430 min / 180 Ah					
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

BATTERY CHARGE CONDITIONS	
Constant current charge	Current range: 0.1 – 0.2C <sub>10</sub> A
Constant voltage charge	Voltage range: 14.10 – 15.10 V (Recommended: 14.40 V)
Float voltage	13.62 V (2.27 Vpc) at 20 °C
Temperature correction factor	Below 20 °C: + 0.018 V/block/°C; Above 20 °C: - 0.018 V/block/°C
Float application	Recommended: max. 0.1C <sub>10</sub> A / 13.62 V (2.27 Vpc)
Cycle applications	Recommended: max. 0.2C <sub>10</sub> A / 14.40 V (2.40 Vpc) Recharge Ah: at least 105% from previous discharge Ah

