

Naps Battery Description

name: 12FLB500
 nominal voltage: 12V
 nom capacity: 135 Ah 20h, 20°C, 1.75V/cell

type: Valve-regulated lead-acid (VRLA), AGM



Specifications

| 12FLB500 | nom V | Capacity* (Ah) | | | | Dimensions | | | Weight kg |
|----------|-------|----------------|-----|-------|-------|------------|------|------|--------------|
| | | 10h | 20h | 100h | 120h | L mm | W mm | H mm | |
| | 12 | 123 | 135 | 136.5 | 137.5 | 345 | 172 | 280 | 46.5 |

* to 1.80V/cell, 20°C

Terminals and Contact Description:
 M8 threaded post terminals

Brief description and features

- 'Sealed' valve-regulated lead-acid battery for medium duty industrial use
- No water additions needed or possible during lifetime
- Absorbitive glass mat (AGM) technology for best results at low temperatures
- Handles integrated into battery cover
- Self discharge <2% per month at 20°C
- Non-spillable

Standards : Manufactured to comply with EN 896-2, BS 6290-4, EUROBAT 10-12 years "High Performance"

Design life for non-PV (standby) use: 10 years at 20°C

Cycle life according to manufacturers test data: 160 cycles @ 80% depth of discharge

This only achieved if immediately fully recharged after every discharge

Estimation of service life in PV systems

| average working temperature °C | years | if daily cycling less than |
|--------------------------------|-------|----------------------------|
| 20 | 8 | 4% |
| 25 | 6 | 5% |
| 30 | 4 | 7% |

of nominal capacity