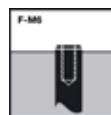


## VRLA block batteries

### AGM technology range / drysafe and drysafe RECUP

#### AF Range (AGM Technology)

The AF battery range is suitable for all light traction applications and combines favorable investment costs with no maintenance over the entire service life.



11 Nm

#### Main technical features and benefits:

- > Battery technology: VRLA (valve regulated lead-acid)
- > Maintenance-free (no topping up during the whole service life)
- > 300 cycles in accordance with IEC 60254-1

#### Technical characteristics and data

Type	Nominal voltage V	Nominal capacity C <sub>5</sub> (30 °C) Ah	Nominal capacity C <sub>20</sub> (30 °C) Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h) max. mm	Weight* kg	Terminal
AF 06 190 XOS	6	190.5	210.0	309	172	223	32.6	F-M6
AF 12 056 XOS	12	56.0	60.8	220	172	219	22.5	F-M6
AF 12 064 XOS	12	63.5	76.2	262	172	223	27.7	F-M6
AF 12 090 XOS	12	89.5	100.4	309	172	223	32.8	F-M6

\* The weights may exhibit a tolerance of +/-5%

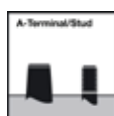
**drysafe®**

#### AS Range with spiral wound technology

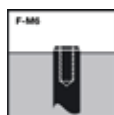
The AS range is suitable for all applications with a high power demand (discharge currents and charge acceptance), like hybrid drive and automatic guided vehicle systems. Additionally, AS-batteries offer excellent micro-cycle durability for applications with high opportunity charge rates, for example cleaning machines.



8 Nm



8/ 37 Nm



11Nm

#### Main technical features and benefits:

- > VRLA battery with grids in a spiral wound design
- > Maintenance-free (no topping up during the whole service life)
- > Superior high power performance (discharge and charge acceptance)
- > Good high power performance at low temperature
- > Ideal for opportunity charging and fast charging
- > Excellent micro-cycle durability, especially at partial state of charge
- > Vibration resistant
- > 450 cycles in accordance with IEC 60254-1

#### Technical characteristics and data

Type	Nominal voltage V	Nominal capacity C <sub>5</sub> (30 °C) Ah	Nominal capacity C <sub>20</sub> (30 °C) Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h) max. mm	Weight* kg	Terminal
AS 12 045 R	12	45.0	50.0	260	171	206	18.5	Stud/A-Terminal
AS 12 050 C	12	45.0	50.0	260	170	206	17.5	A-Terminal
AS 06 024 C	6	22.0	24.0	65.0	175	190	4.7	F-M6

\* The weights may exhibit a tolerance of +/-5%

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**RECUP**