

VRLA block batteries

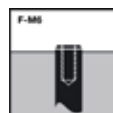
AGM technology range / drysafe and drysafe RECUP

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.

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



11 Nm



Technical characteristics and data

Type	Nominal voltage V	Nominal capacity C ₅ (30 °C) Ah	Nominal capacity C ₂₀ (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%

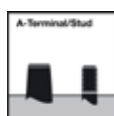
drysafe®

AS Range with spiral wound technology

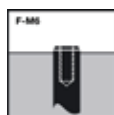
The AS range is suitable for all applications with a high power demand (discharge currents and charge acceptance), like hybrid drive and automatic guided vehicle systems. Additionally, AS-batteries offer excellent micro-cycle durability for applications with high opportunity charge rates, for example 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 ₅ (30 °C) Ah	Nominal capacity C ₂₀ (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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