

A400 dryfit batteries

Sealed gel electrolyte Lead-acid



Dryfit A 400

Valve Regulated Lead Acid (VRLA) batteries with dryfit technology.

The electrolyte is immobilised in a gel guaranteeing optimum reliability for all applications. Dryfit A 400 batteries are distinguished by their exceptionally long service life, overcharge capabilities, and cost effective use.

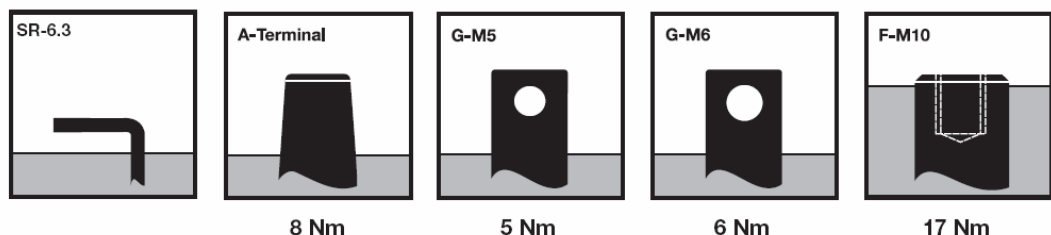
- The success of Sonnenschein A400 batteries comes from the internationally superior dryfit technology
- Exceptional energy storage capacity combined with long life
- Maintenance-free (no topping up) during the whole service life due to the Sonnenschein dryfit technology
- Nominal capacity 5.5 – 180 Ah C₁₀
- 12 years design life at 20°C ambient temperature (80% remaining capacity from C₁₀)
- EUROBAT Classification: Long Life
- Grid plate construction consisting of a lead calcium alloy
- Very low gassing due to internal gas recombination
- Shelf life up to 2 years at 20°C without recharge due to the very low self discharge rate
- Short recharging time
- Proof against deep discharge according to DIN 43 539 T5
- Trouble-free transport of operational blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- Completely recyclable

A400 dryfit batteries – technical specifications

Type	Part number	Nominal voltage V	Nominal capacity C ₁₀ 1.8 V/C 20°C Ah	Discharge current I ₁₀ A	Max. load* approx. A	Length (l) max. mm	Width (b/w) max. mm	Height up to top of cover (h1) max. mm	Height over terminals (h2) max. mm	Weight approx. kg	Internal resistance acc. to IEC 896-2 m Ω	Short circuit current acc. to IEC 896-2 A	Terminal
A406/165 A	NGA4060165HSOCA	6	165.0	16.50	770	190	244.0	254.0	275.0	31.0	2.1	2800	A-Terminal
A406/165 F10	NGA4060165HSOFA	6	165.0	16.50	770	190	244.0	254.0	282.0***	31.5	2.1	2800	F-M10
A412/5.5 SR	NGA41205D5HSORA	12	5.5	0.55	80	152	65.5	94.5	98.4	2.5	138.0	93	SR-6.3
A412/8.5 SR	NGA41208D5HSORA	12	8.5	0.85	80	152	98.0	94.5	98.4	3.6	86.0	150	SR-6.3
A412/12 SR	NGA4120012HSORA	12	12.0	1.20	100	181	76.0	152.0	156.4	5.5	47.0	260	SR-6.3
A412/20 G5	NGA4120020HSOBA	12	20.0	2.00	200	167	176.0	126.0	126.0	8.5	25.0	460	G-M5
A412/32 G6	NGA4120032HSOBA	12	32.0	3.20	400	210	175.0	175.0	175.0	13.6	15.0	784	G-M6
A412/32 F10	NGA4120032HSOFA	12	32.0	3.20	400	210	175.0	175.0	181.0***	14.1	15.0	784	F-M10
A412/50 A	NGA4120050HSOCA	12	50.0	5.00	440	278	175.0	190.0	190.0	19.5	10.0	1220	A-Terminal
A412/50 F10	NGA4120050HSOFA	12	50.0	5.00	440	278	175.0	190.0	196.0***	20.0	10.0	1220	F-M10
A412/50 G6	NGA4120050HSOBA	12	50.0	5.00	440	278	175.0	190.0	190.0	19.5	10.0	1220	G-M6
A412/65 F10	NGA4120065HSOFA	12	65.0	6.50	440	353	175.0	190.0	196.0***	25.1	9.0	1414	F-M10
A412/65 G6	NGA4120065HSOBA	12	65.0	6.50	440	353	175.0	190.0	190.0	24.6	9.0	1414	G-M6
A412/85 F10**	NGA4120085HSOFB	12	85.0	8.50	770	204	244.0	250.0	276.0***	32.0	8.0	1472	F-M10
A412/90 A	NGA4120090HSOCA	12	90.0	9.00	770	286	269.0	208.0	230.0	34.5	7.0	1733	A-Terminal
A412/90 F10	NGA4120090HSOFA	12	90.0	9.00	770	286	269.0	208.0	237.0***	35.0	7.0	1733	F-M10
A412/100 A	NGA4120100HSOCA	12	100.0	10.00	770	513	189.0	195.0	223.0	39.0	6.9	1777	A-Terminal
A412/100 F10	NGA4120100HSOFA	12	100.0	10.00	770	513	189.0	195.0	223.0***	39.5	6.9	1777	F-M10
A412/120 A	NGA4120120HSOCA	12	120.0	12.00	770	513	223.0	195.0	223.0	48.0	5.7	2118	A-Terminal
A412/120 F10	NGA4120120HSOFA	12	120.0	12.00	770	513	223.0	195.0	223.0***	49.5	5.7	2118	F-M10
A412/180 A	NGA4120180HSOCA	12	180.0	18.00	770	518	274.0	216.0	238.0	69.5	3.8	3227	A-Terminal
A412/180 F10	NGA4120180HSOFA	12	180.0	18.00	770	518	274.0	216.0	244.0***	70.0	3.8	3227	F-M10

*With suitable matching contacts **With central degassing ***plus max. 24 mm for connector/screw

Container, approval, terminal and torque



Container: 5.5–12 Ah = ABS
20–180 Ah = Polypropylene (PP)