



SOLARMOTION® AGM

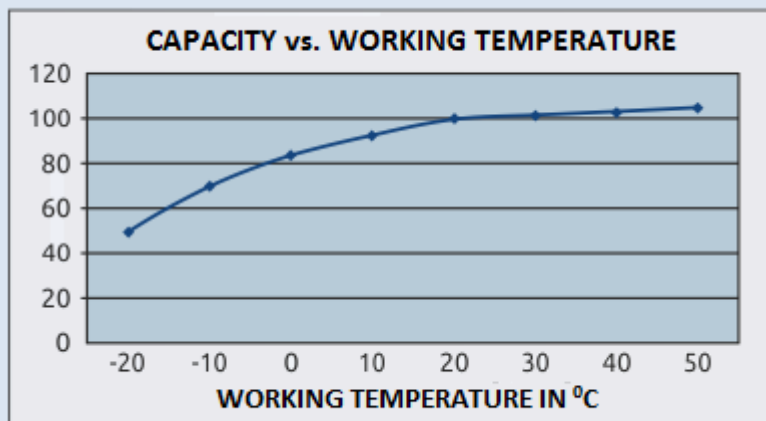
Stationary sealed block-battery, completely maintenance-free through all the lifetime. Ideal for smaller uninterruptable power supplies (UPS) as well as for small hand guided transportation systems. Also suitable for small Off-grid solar-systems, for electric wheelchairs, boats and yachts, camping and motorhomes. The robust construction of these batteries makes them suitable for use where a high quality battery storage is needed and requirement.

DIMENSIONS AND CAPACITIES

Model	V.	C10	C100	Dimensions, mm L/W/H			(kg)
STA 65	12	54	65	242	175	190	17,8
STA 80	12	63	80	278	175	190	21
STA 90	12	83	90	353	175	190	26,7
STA 100	12	85	100	345	175	230	28,3
STA 160	12	125	160	513	189	223	39,1
STA 190	12	145	190	513	223	223	46,3
STA 250	12	190	250	518	274	242	60,0

CHARGING PARAMETERS

Charging type	Charging parameter
Charge with constant current	Current limit 10 - 20 % from C10
Charge with constant voltage	Voltage limit : 14.1 - 14.6 V per block
Float charge voltage (Stand by)	Float voltage: 13.5 V per Block @ 20°C
Temperature correction factor	0.018 V per Block / °C



Maintenance free block batteries, 12V AGM hermetically sealed, 100% maintenance free

- AGM technology with glass fiber mat fixed electrolyte
- Positive grid plate
- Negative grid plate
- Minimal self discharge
- Optimal efficiency in cyclic and Stand-by use
- Fit for use with high as well with low temperatures
- Recombination efficiency 98-99%
- One way valve regulated system with flame arrestor
- Ideal for small solar applications
- Over 500 cycles at 75% DOD
- Over 1000 cycles according to IEC 61427

These batteries comply with following standards:

- ISO 9001:2008
- ISO 14001:2004
- OHSAS 18001:2007

Contact:



Battery

Layout

Pol

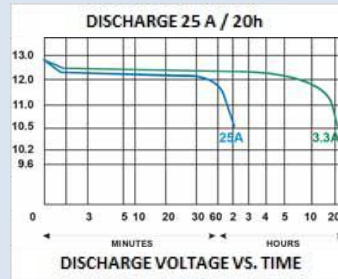
Qty/Pall/Layers

Discharge curve

Capacities



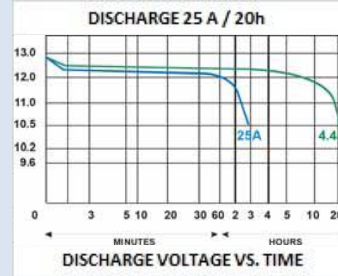
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Capacity	
C1 (9,60 V)	38 Ah
C5 (10,20V)	52 Ah
C10 (10,80V)	54 Ah
C100 (10,80V)	65 Ah
Cr (10,5V)	110 min
BOX	L2



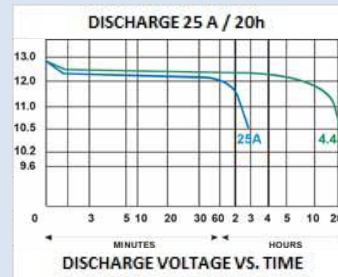
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Capacity	
C1 (9,60 V)	45 Ah
C5 (10,20V)	60 Ah
C10 (10,80V)	63 Ah
C100 (10,80V)	80 Ah
Cr (10,5V)	130 min
BOX	L3



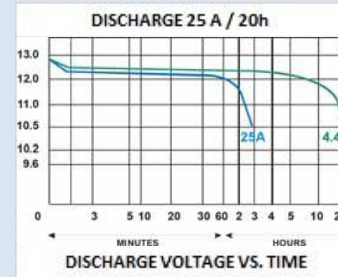
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Capacity	
C1 (9,60 V)	65 Ah
C5 (10,20V)	80 Ah
C10 (10,80V)	83 Ah
C100 (10,80V)	90 Ah
Cr (10,5V)	175 min
BOX	L5



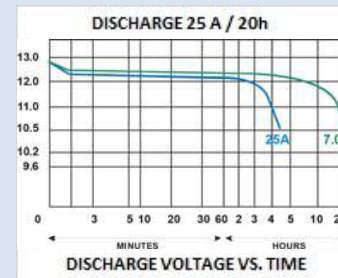
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Capacity	
C1 (9,60 V)	65 Ah
C5 (10,20V)	80 Ah
C10 (10,80V)	85 Ah
C100 (10,80V)	100 Ah
Cr (10,5V)	180 min
BOX	C90



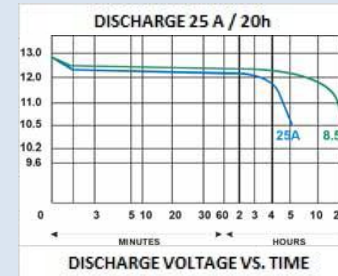
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Capacity	
C1 (9,60 V)	85 Ah
C5 (10,20V)	115 Ah
C10 (10,80V)	130 Ah
C100 (10,80V)	160 Ah
Cr (10,5V)	260 min
BOX	A



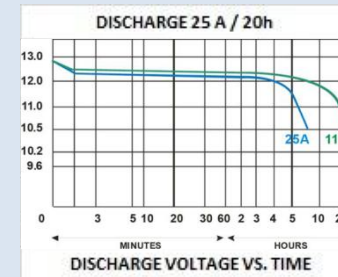
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Capacity	
C1 (9,60 V)	100 Ah
C5 (10,20V)	135 Ah
C10 (10,80V)	150 Ah
C100 (10,80V)	190 Ah
Cr (10,5V)	300 min
BOX	B



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Capacity	
C1 (9,60 V)	135 Ah
C5 (10,20V)	185 Ah
C10 (10,80V)	200 Ah
C100 (10,80V)	250 Ah
Cr (10,5V)	430 min
BOX	C