

R12-110AGM





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Series	AGM-R	Warranty		See V	Varra	nty T	Ferms	
Volts	12	BCI		Grp 3	1			
Cells	6							
Terminal Type		M8-TP8						
Included Hardwa	are	Stainless St	teel	Nuts & I	Bolts			
Size & Thread		M8-TP8						
		Charge						
Charge Voltage	Range			14.7V (@ 25°	°C (7	′7°F)	
Float Voltage Ra	nge			13.8V (@ 25°	°C (7	7°F)	
Recommended (Charge Current C	apacity (Stri	ng)	20 A				
Maximum Charg	e Current (String)		35 A				
Self-Discharge R	ate			Less th 25°C (7	ian 29 77°F)	% pe	er montł	ı at
Internal Resistar	nce			9 mΩ				
		Capacity						
Cold Crank Amp	s (CCA) 0°F / -17°	°C			8	50		
Marine Crank An	nps (MCA) 32°F /	0°C			1	.050		
Reserve Capacit	y (RC @ 25A)				2	05 N	linutes	
Reserve Capacit	y (RC @ 75A)				5	0 Mi	nutes	
Capacity Affect I	by Temperature			40°C (104°F)	25° (77	C °F)	0°C (32°F)	-15°((5°F)
				102%	100)%	85%	65%
Hour Ra	te Ca	apacity / AM	1P F	lour	C	Curre	ent / Al	MPs
@ 100 Hour	Rate	120 AH	1				1.2 A	
@ 20 Hour	Rate	110 AH	1				5.5 A	
@ 10 Hour	Rate	90 AH					9 A	
@ 5 Hour F	Rate	82 AH				1	16.4 A	
Cut	Off Voltage		Со	nstant	Curr	ent	Discha	irge
	VPC	1	. hr	2 hr 🛛	3 hr	5 hr	r 8 hr	10 h

60.6 32.5 28 16.4 10.6

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	Specificatio	ons	
/stem	Weight	30 kg	66 lbs
lified Sy	Length	32.8 cm	12.91"
SAI GLOBAL	Width	17.2 cm	6.77"
ISO 9001 Quality	Height Inc. Term.	22 cm	8.66"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.

Container	ABS
Cover	ABS
Handles	Rope / Plastic Handle

Cycle Life vs. Depth of Discharge



Capacity vs. Temperature



Rev.#3 | May 2018



R12-200AGM





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Series	AGM-R	Warrant	y	See	Warra	anty ⁻	Terms	
Volts	12	BCI		4D				
Cells	6							
Terminal Type		LT						
Included Hardw	are	Stainless	s Stee	l Nuts &	Bolt	5		
Size & Thread		F10-M8						
		Charg	e					
Recommended Charge Current Capacity (String) 40 A								
Maximum Char	ge Current (Strin	ng)		60 A				
Self-Discharge	Rate			Less t 25°C (han 2 (77°F)	% pe	r montl	h at
		Capaci	ty					
Cold Crank Am	ps (CCA) 0°F / -1	.7°C			1	300		
Marine Crank Amps (MCA) 32°F / 0°C				1	500			
Reserve Capacity (RC @ 25A)				4	100 M	linutes		
Reserve Capac	ity (RC @ 75A)				1	.00 M	linutes	
Capacity Affect	by Temperature	9		40°C (104°F)	25°) (77	°C ′°F)	0°C (32°F)	-15°C (5°F)
				102%	10	0%	85%	65%
Hour Ra	ate (Capacity / A	AMP I	lour	(Curre	ent / A	MPs
@ 100 Hou	r Rate	220	٩H				2.2 A	
@ 20 Hour	Rate	200	٩H				10 A	
@ 10 Hour	Rate	162	٩H			1	L6.2 A	
@ 5 Hour	Rate	144	٩H			2	28.8 A	
Cu	t Off Voltage		Сс	onstant	Cur	rent	Discha	arge
	VPC		1 hr	2 hr	3 hr	5 hr	8 hr	10 hr
VPC			103	55.1	40.8	28.8	19.6	16.2

	Specificat	ions	
stem	Weight	55.5 kg	122.5 lbs
fied Sy	Length	52.2 cm	20.55"
Certi	Width	24 cm	9.45"
€ SAIGLOBAL ISO 9001 Quality	Height Inc. Term.	22.4 cm	8.82"
Dreduct measurements Cuucie	when are calculated has	ad an comple data in	dividual energifications

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.

Container	ABS
Cover	ABS
Handles	Rope

Cycle Life vs. Depth of Discharge



Capacity vs. Temperature



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R12-260AGM





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Series	AGM-R	Warranty	See V	Varranty	Terms	
Volts	12	BCI	8D			
Cells	6					
Terminal Type		M8				
Included Hardwa	re	Stainless Stee	el Nuts &	Bolts		
Size & Thread		M8				
		Charge				
Charge Voltage F	Range		14.7V @) 25°C (77°F)	
Float Voltage Ra	nge		13.8V @) 25°C (77°F)	
Recommended C	Charge Current Ca	pacity (String)	50 A			
Maximum Charge	e Current (String)		60 A			
Self-Discharge R	ate		Less the 25°C (7	an 2% p 7°F)	er montl	n at
		Capacity				
Cold Crank Amps	s (CCA) 0°F / -17°(2		1550		
Marine Crank Am	nps (MCA) 32°F / ()°C		1850		
Reserve Capacity	y (RC @ 25A)			400 I	Minutes	
Reserve Capacity	y (RC @ 75A)			160	Minutes	
Capacity Affect b	by Temperature		40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
Capacity Affect b	by Temperature		40°C (104°F) 102%	25°C (77°F) 100%	0°C (32°F) 85%	-15°C (5°F) 65%
Capacity Affect b	by Temperature te Caj	pacity / AMP	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr	0°C (32°F) 85% rent / A	-15°C (5°F) 65% MPs
Capacity Affect b Hour Rat @ 100 Hour	oy Temperature te Caj Rate	Dacity / AMP 290 AH	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr	0°C (32°F) 85% rent / A 2.9 A	-15°C (5°F) 65% MPs
Capacity Affect b Hour Rat @ 100 Hour @ 20 Hour F	oy Temperature te Caj Rate Rate	Dacity / AMP 290 AH 260 AH	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr	0°C (32°F) 85% rent / A 2.9 A 13 A	-15°C (5°F) 65% MPs
Capacity Affect b Hour Rat @ 100 Hour @ 20 Hour F @ 10 Hour F	by Temperature te Caj Rate Rate Rate	Dacity / AMP 290 AH 260 AH 200 AH	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr	0°C (32°F) 85% ent / A 2.9 A 13 A 20 A	-15°C (5°F) 65% MPs
Capacity Affect b Hour Rat @ 100 Hour @ 20 Hour F @ 10 Hour F @ 5 Hour R	by Temperature te Caj Rate Rate Rate Rate	Dacity / AMP 290 AH 260 AH 200 AH 185 AH	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr	0°C (32°F) 85% rent / A 2.9 A 13 A 20 A 37 A	-15°C (5°F) 65% MPs
Capacity Affect b Hour Rat @ 100 Hour @ 20 Hour P @ 10 Hour P @ 5 Hour R	by Temperature te Cap Rate Rate Rate Rate t Off Voltage	Dacity / AMP 290 AH 260 AH 200 AH 185 AH	40°C (104°F) 102% Hour	25°C (77°F) 100% Curr Curren	0°C (32°F) 85% ent / A 2.9 A 13 A 20 A 37 A t Disch	-15°C (5°F) 65% MPs arge

	Specificatio	ons	
stem	Weight	73 kg	161 lbs
fied Sy	Length	52.2 cm	20.55"
Certi	Width	26.8 cm	10.55"
€ SAI GLOBAL ISO 9001 Quality	Height Inc. Term.	22.4 cm	8.82"

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process, battery components & electrolyte levels.

Container	ABS
Cover	ABS
Handles	Rope

Cycle Life vs. Depth of Discharge



Capacity vs. Temperature



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Warranty Terms and Conditions For Batteries One Year limited warranty from Date of Purchase

In case of a battery warranty need the following information:

- Information about the system
- Photos

• BMV historical data (without BMV no warranty). A Battery Monitor has to purchase along with the battery to avoid warranty issues.

The warranty does not cover cracked covers, cracked cases, bulged cases from heat, freezing or explosion, discharged batteries or the use of undersized batteries damaged from electrical equipment.

This warranty covers only manufacturing defects.

The Company makes no warranty with respect to its batteries other than the warranty stated above. All implied warranties of merchantability and all expressed and implied warranties of any other kind are hereby excluded.

Batteries

Batteries are one of the most important external factors.

The battery cabling needs to be of a suitable thickness. The fuses, battery isolators and battery connections need to be in good shape and all cable connections need to be clean and tight. If any of these are of sub-standard quality a voltage loss and/or a ripple voltage can occur. This will cause a Victron product to shut down. Please see the product manual for a table on recommended battery cable thicknesses.

Batteries can cause a lot of strange symptoms in a Victron product when the battery is:

- Empty or almost empty
- Capacity too small
- Bad quality or too old
- Too hot or too cold

A battery problem can make a Victron product appear to be faulty. In case of a Multi you can see: a totally dead unit, a low battery light or the overload and low battery light blink or light up simultaneously. In this case the first point of action is to measure the battery voltage under no load and under load. If the battery voltage drops significantly under load the batteries are empty or faulty.

Undercharged batteries are most often due to a large DC load in the system. The DC loads in a system can consume more power than the Multi or the charger can deliver. Another reason for undercharged batteries can be that the batteries are too large for the charger. Overcharged batteries can be caused by a very small or faulty battery bank.