



Model Shown: A18J-3-12V-A1

Automatic Battery Chargers for Engine Starting Batteries

The La Marche models A18J and A20R Battery Chargers are completely automatic and are designed for continuous operation on unloaded Engine Starting Batteries. They are intended for mounting near the Engine Generator Set and to be permanently connected to the battery and AC lines.

The A18J and A20R Battery Chargers are simple to operate. There are no external controls or adjustments to be made once the battery is permanently connected. The models are available with either 120, 208 or 240VAC single phase input.

All models are equipped with convenient AC input taps to adjust the output voltage where low or high level AC lines are present.

Standard Features

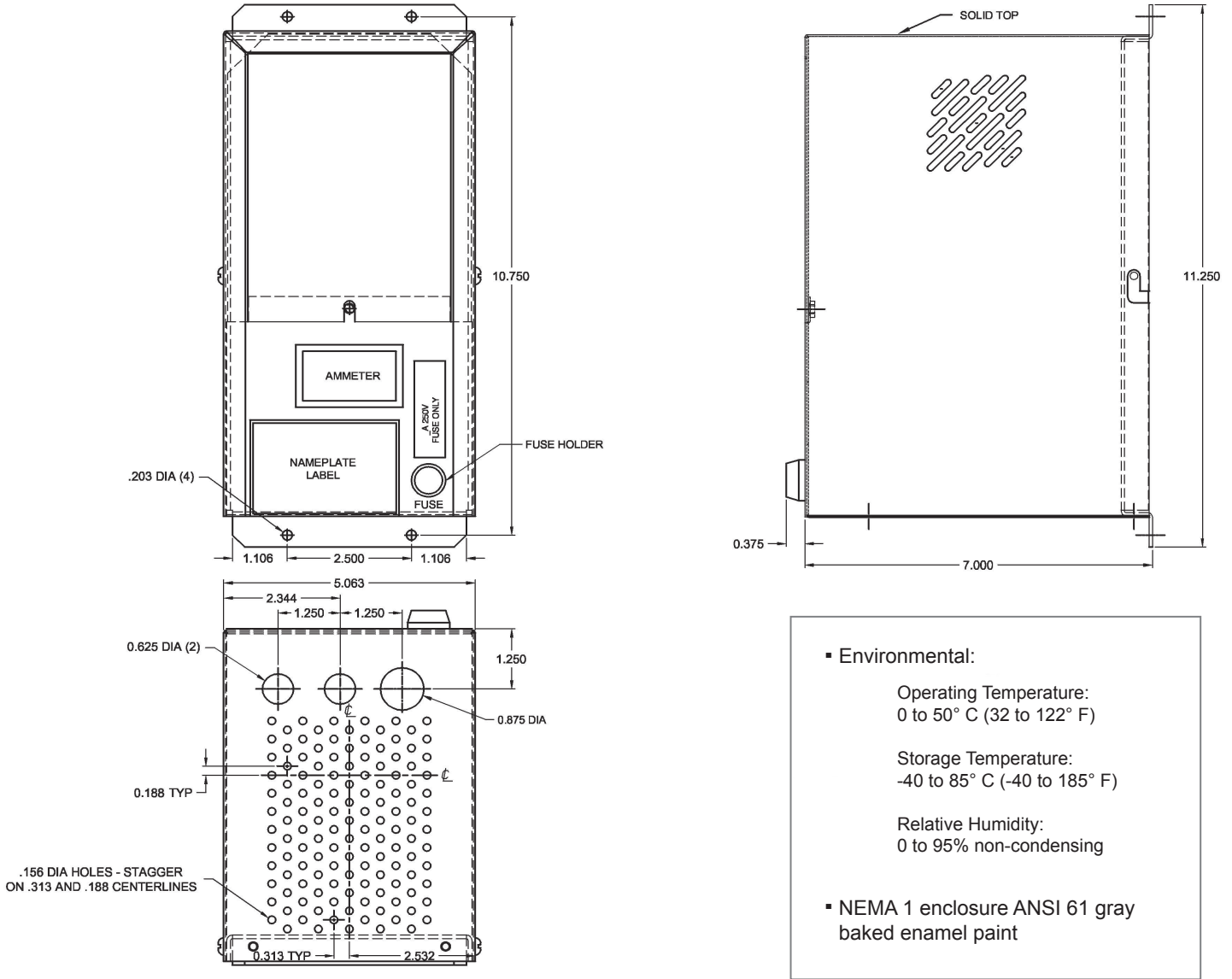
- Silicon diode full wave rectifier design
- Automatic operation
- AC input fusing and DC output auto-reset breaker protects battery and charger
- Automatic surge protector
- Flush mounted 5% accuracy analog DC ammeter
- AC input voltages of 120, 208 or 240VAC, 50/60Hz, single phase
- No RFI (Radio Frequency Interference) emitted
- Simple operation - no external controls, switches or moving parts
- Charger design prevents battery from discharging if AC line fails
- Complete isolation of the AC line from the DC charging circuit eliminates the danger of high voltage shock to personnel on ungrounded equipment
- 2-Year Warranty

Optional Feature

- 03A - DC cranking disconnect relay

Model Number	DC Output				AC Input Current Draw @ 100% (Load)			Cable Entry (When Facing Unit)		Overall Dimensions W x D x H	Mounting	Case No.	Shipping Weight	
	Amps	Volts	Battery Cells (Lead Acid)	Breaker Size	A 120	D 208	B 240	AC Input	DC Output				lbs	kg
A18J-2-6V	2	6	3	4	1			Bottom Front		5.125" x 7.125" x 11.250" 130 x 181 x 286mm	Wall	02	13	5.9
A18J-3-12V	3	12	6	5									13	5.9
A20R-4-24V	4	24	12	6	2	1	1						15	6.8
A20R-5-24/32V	5	24/30/32	12/15/16										16	7.3
A20R-5-30/36V		30/32/36	15/16/18										16	7.3

No. 02 Case Drawing



Environmental:

Operating Temperature:
0 to 50° C (32 to 122° F)

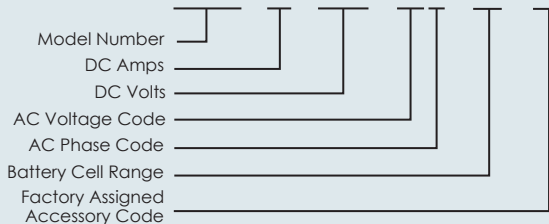
Storage Temperature:
-40 to 85° C (-40 to 185° F)

Relative Humidity:
0 to 95% non-condensing

- NEMA 1 enclosure ANSI 61 gray baked enamel paint

Model Number Nomenclature

A18J - 3 - 12V - A 1 - () - ()



AC Voltage Code

A - 120
B - 240
D - 208

AC Phase Code

1 - Single Phase

Ordering Information

When ordering, please specify:

- La Marche Model Number A18J or A20R
- Input Voltage
- Number of Battery Cells
- A.H. Capacity of Battery
- Allowable Recharge Time from Full Discharge (where applicable)
- Optional Accessory (Option #03A Cranking Disconnect Relay if desired)