

ITEM# 801 Frontline™ 1		
<b>Input Power</b>	120V	
<b>Processes</b>	Smart Charge & Force Charge	
<b>Charging Mode</b> <i>Battery chemistry charged by each mode.</i>	STD	Wet Cell, Enhanced Flooded, Maintenance Free, Deep Cycle, Calcium
	AGM	Absorbed Glass Mat (VRLA)
	GEL	Gel Cell (VRLA)
	LFP	LiFePO4
<b>Battery Voltage</b>	12V & 6V	
<b>Charging Rate</b>	1A	
<b>Max Battery Capacity</b>	24Ah	
<b>Weight</b>	0.77 lbs (0.35 kg)	
<b>Dimensions</b>	2.59" x 2.91" x 7.05" (65.7mm x 74mm x 179.1mm)	
<b>Operating Temperature</b>	-4° F - 113° F (-20° C - 45° C)	



## FRONTLINE™ 1 1A TRICKLE CHARGER QUICK START GUIDE



	CHARGING LEVEL			
		BATTERY VOLTAGE		
				BATTERY TYPE
	CHARGING BEGINNING			
	CHARGING ACTIVE			
	CHARGING COMPLETE. MAINTAINING			



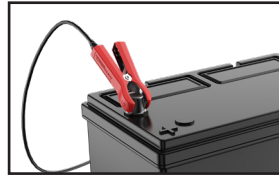
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### 1. Connect clamps to battery terminals



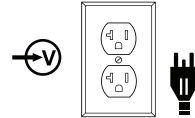
Black to the negative (NEG, N, or -) terminal



Red to the positive (POS, P, or +) terminal

### 2. Connect to 120V input power

If using an extension cord, refer to the sizing chart in the safety information.



### 3. Charge mode selection

Use the button to cycle through battery type and voltage combinations until the proper combination is lit. When you stop cycling, charging will begin. To stop charging, press button again.



To **Force Charge**, press and hold button for 3 seconds.

**Force Charge mode** is best used if automatic charging is unable to repair and charge a bad battery or if the battery voltage is less than 0.5V. Force Charge will attempt to manually charge the battery until it can retain a charge, then it will resume normal charging. If the battery will not hold a charge after 3 attempted charge cycles, the unit will stop charging and return to standby mode.

### UNDERSTANDING DISPLAY

LED Display Status	Explanation
<b>Full Screen Flashes</b> 	Clamp misconnection. The clamps are not connected, the clamps are shorted, or the battery voltage is too low to read (<0.5V).
<b>Battery Voltage Light Flashes</b> 	Selected charging mode does not match the battery voltage.
<b>Red and Green Bars Flash in Unison</b> 	Clamps are reversed, triggering a "Reverse Polarity" fault.
<b>Charging Light Cycles From Red to Green</b> 	Charger has detected sulfate buildup in the battery, which can limit its effectiveness. This unit has entered desulfation mode in an attempt to fix this issue before resuming charging.
<b>4th &amp; 5th Bar Alternate Flashing</b> 	Charger is attempting to repair a heavily discharged battery.
<b>All Charge Bars Flash</b> 	Charger was unable to automatically fix and charge the battery. The battery is likely bad. Activate FORCE CHARGE mode to attempt to manually charge the battery.