

MODEL 441

Emergency Sump Pump System

Liberty Pumps®

A Family and Employee Owned Company

12-Volt Battery Operated System

Works automatically when power fails!

Includes

- High output 12V submersible pump with integral check valve
- Automatic, mercury-free switch
- Control panel
- Battery box (battery not included)
- 12V charger
- Tee and primary pump check valve for 1-1/2" discharge

Features

- Audible in-use alarm and light
- Self-resetting 24 hour silence
- Advanced 1.5A switch mode charger
- Energy efficient
- Meets California CEC standards

Vertical switch for compact pits

NEW!
Improved
1.5A Charger



Advanced switch mode charging - energy efficient



innovate. evolve.

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Features

- Automatic 1.5A high-efficiency battery charger
- Charger is cord-connected to allow use in standard duplex outlets
- 3-Stage charge cycle
- Charges and maintains the battery for peak performance
- 3 Color LED shows the charge status at a glance
- At 14.4V peak, charger automatically switches to maintenance mode
- Designed to prevent overcharging
- Reverse battery and short circuit protection
- Solid state overload protection
- Audible alarm and light advises of emergency pump operation
- Silence feature automatically resets after 24 hours
- Easy wiring with slip-on connectors
- Fully assembled compact float switch

Charger works with Group 27 or Group 31 marine-type deep cycle lead acid 12-Volt batteries (not included with system)

Wet Cell or AGM compatible.

Charger Specifications

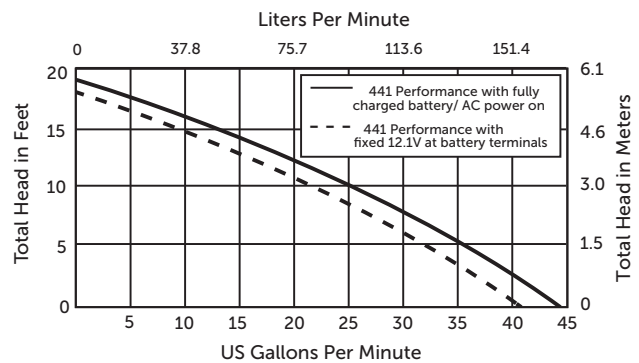
Input: 120 VAC at 50/60 Hz, 0.35A

Output: 12 VDC, 1.5A

NOTE: Battery life will vary based on number of pump cycles, length of cycle time and pumping head. Under a continuous run condition, the battery will last up to 4.25 hours. Under a cycling condition, (10 gallons per pump cycle at 10' of lift, 4 cycles per hour) the battery will last up to 6 days.



Performance Curve



Typical Installation Diagram

