LNV-SERIES
Battery Backup/Inverter

Liberty Pumps®
A Family and Employee Owned Company

Performance when the power goes out!

Automatic battery backup/inverters with the power to run a 120V submersible sump, sewage or grinder pump up to 1 hp!

StormCell®

- **LNV75 - Sump/Sewage**
- **LNV100 - Sewage/1 hp Grinder**



Get uninterrupted pump operation during a power outage! The LNV-Series battery backups will automatically switch to battery power keeping your primary 120V pump running.

MODELS	120V COMPATIBLE PUMPS
LNV75	230, 250, 280, 290, 450, LE40, LE50
LNV100	LE40, LE50, PRG101

NOTE: LNV-Series backups operate 120V single-phase pumps only.
LNV75 requires a 12V battery bank. LNV100 requires a 24V battery bank, 2 batteries. (Sold separately)

3 Year Warranty

ETL LISTED c US
Intertek

innovate. evolve.

StormCell® LNV-Series

Features

- Plug & Play - can be installed in under 10 minutes
- No need to install an additional DC pump for backup
- Clean, pure sine wave output
- Keeps pump operating at peak level when power is lost
- Specifically designed for pump operation
- Maximum pump run amps: 15A

Specifications

	LNV75	LNV100
Input Volts	120 VAC, 60 Hz	120 VAC, 60 Hz
Output Wave Shape	Low Distortion Sine Wave with distortion <3% into resistive loads	Low Distortion Sine Wave with distortion <3% into resistive loads
Max Continuous Output Power	1800 Watts	1800 Watts (3600 Watt peak)
Startup Surge Capacity	45A for 3 mSec	45A for 500 mSec
Audible Alarm	Imminent shutdown - battery is low	Imminent shutdown - battery is low
Active When Lit - LED	Power present at output receptacle	Power present at output receptacle
Charging LED Indicator - Blinking	Blinking when charging	Blinking when charging
Charging LED Indicator - ON	Battery is full-charging suspended	Battery is full-charging suspended
Replace Battery LED Indicator - ON	Battery is degraded from long-term use	Battery is degraded from long-term use
Weight	22 lbs	25 lbs
Size	22 x 8.6 x 3.5 in	25.5 x 9.75 x 3.75 in
Mounting Hole Centers	17 x 8.2 in	18 x 9.25 in
Battery Cables - 4 ft. (included)	BC-42 #2 gauge	BC-42 #2 gauge
Power Cord - 6 ft.	SJT 14AWG/3C	SJT 14AWG/3C

Performance

Typical pump operating times during power outage.
Only Group 31 Deep Cycle Batteries are recommended.

LNV75 - SINGLE 12V BATTERY

		Pump Current Rating - 6A		Pump Current Rating - 9A	
		Low Duty Cycle	High Duty Cycle	Low Duty Cycle	High Duty Cycle
Battery Group Size	Typical AHr.	Hours			
31	125	39.6	13.2	26.4	8.8

For LNV75, run times may be increased by adding single batteries (12V) in parallel with its primary battery. The LNV75 should only be used with lead acid batteries.

LNV100 - 24V TWO BATTERY BANK

		Pump Current Rating - 9A		Pump Current Rating - 12A	
		Low Duty Cycle	High Duty Cycle	Low Duty Cycle	High Duty Cycle
Battery Group Size	Typical AHr.	Hours			
31	120	35.1	11.7	20.3	6.8

For LNV100, run times may be increased by adding (24V series) battery banks in parallel with its primary 24V series battery bank. The LNV100s work with either lithium or lead acid batteries.

StormCell® Batteries

Make sure your LNV Backup System maintains peak performance with StormCell® batteries from Liberty Pumps.

Liberty Pumps StormCell® Battery Recommended

Designed to provide the highest performance and longest life when matched with the LNV Backup System.



- *Single battery box*
  Kit # K001574 (sold separately)
- *Dual battery box*
  Kit # K001582 (sold separately)

See StormCell® Battery literature for full information.

LNV100 powers the ProVore® grinder!

ProVore® Performance Curve

PRG101 using LNV100



Specifications subject to change without notice.

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