

A digital
mini-grid
that gives you
confidence
and control.



**RUGGED.
MODERN.
POWERFUL.**

LEMA Power is a USA Made, solar generator that provides 24hr AC Power.

LEMA Power is a digitally controlled solar generator that produces up to 12kWhr per day of 230V AC power with a programmable 8kWhr battery bank. Add a deep well water pumping kit for programmable running water.

The LEMA™ Power is designed for maximum performance and ease of installation. High-efficiency panels and dual-axis tracking enable power generation from dusk till dawn with excess power going to storage. The ability to track the sun throughout the day allows for a smaller footprint and optimizes power generation for load balancing, storage, and consumption.



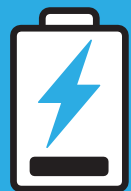
**SMART MOBILE
APP ENABLED**



**HIGH ACCURACY
DUAL-AXIS TRACKING**



**12KWHR PER DAY
230V AC 1Φ POWER**



**8KWHR BACKUP
BATTERY**



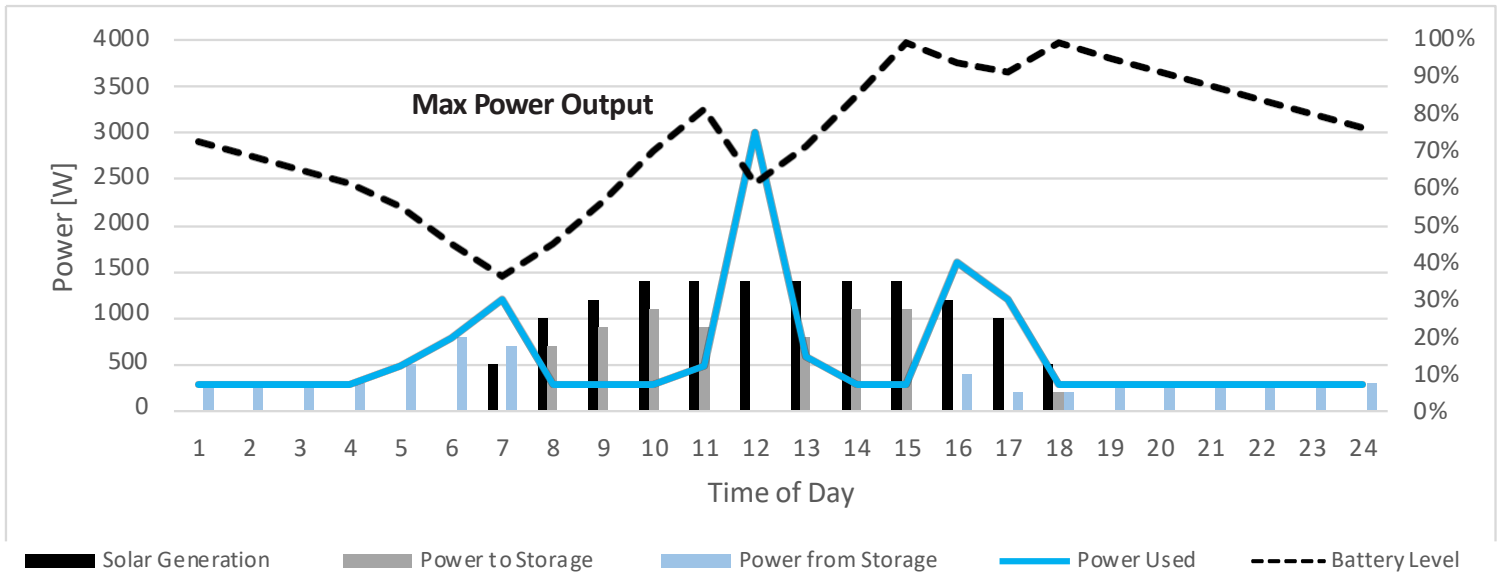
Complete solar solution, controlled with your smartphone.

Seamlessly monitor, automate and manage your system through the LEMA Mobile app. Discharge up to 3.0KW for high power applications or adjust the settings to provide continuous long-term power. Real-time monitoring and programmable outlets allow for easy control over power usage. Grid-assisted technology allows for easy integration with other power sources.

Built for rural applications where reliability is critical.



USE CASE EXAMPLE



APPLICATION EXAMPLES



SCHOOLS



HOMESTEADS



FARMS



ORCHARD IRRIGATION

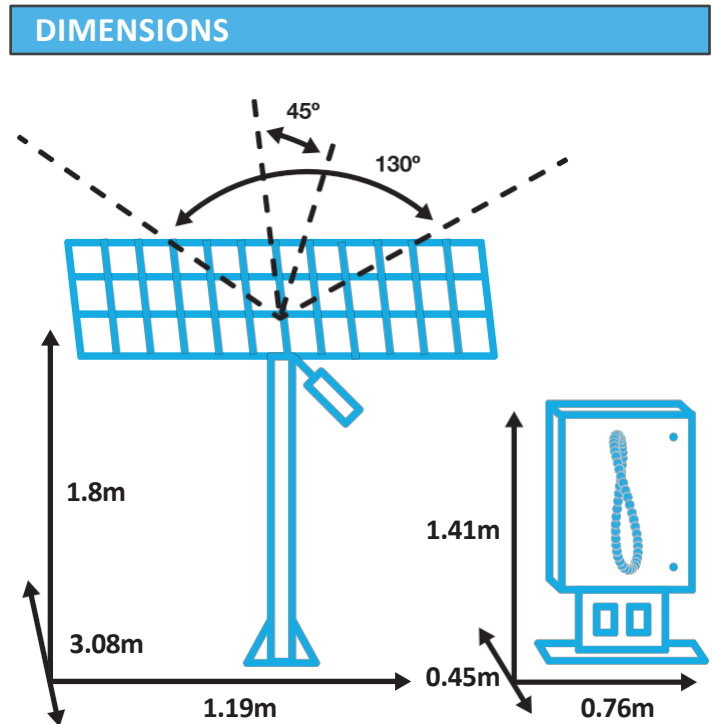
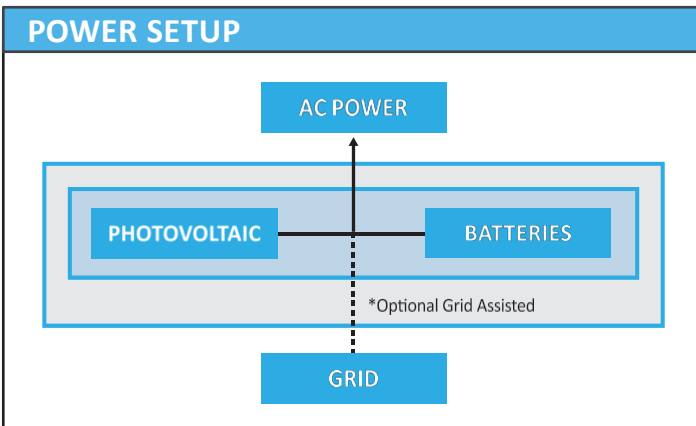


HEALTHCARE CENTERS

LEMA™ POWER SPECIFICATIONS

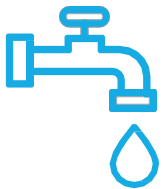
ELECTRIC POWER	
Max Daily Power	12kWhr
Max Daily Power *BeFi200	14kWhr *BeFi200
Max Battery Storage	8kWhr (Li-ion or Lead Acid)
Max AC Power Discharge	3.0kW (50hz 230V)
Peak Solar Generation	1.22kW
Peak Solar Generation	1.46kW *BeFi200

CONNECTIVITY	
Applications	iOS/Android/Windows
Network	Wifi/Bluetooth



ADD ON KIT – RUNNING WATER	
Max Water Head	180m
Max Water Flow	34,500 Liters/Day

USE CASE EXAMPLES



WATER PUMP

☀ ∞ hrs
⚡ 7.2 hrs



50 LIGHT BULBS

☀ ∞ hrs
⚡ 26.6 hrs



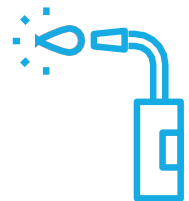
SPACE HEATER

☀ ∞ hrs
⚡ 5.4 hrs



DRILL

☀ ∞ hrs
⚡ 26.6 hrs



WELDER

☀ 13 hrs
⚡ 5 hrs

LEMA is a sustainable technology company that focuses on innovative solutions to complex problems. We are a USA based company with global operations and a proud USAID partner.

FARM BUILT. FARM TESTED. FARM TOUGH.

To learn more visit www.lemma.io or email info@lemma.io

*BeFi200 are testing conditions specific to bifacial panels