



#### EMERGENCY POWER

ELM H Series Microgrids provide uninterrupted power backup for your whole house and operate with both solar and battery storage when utility power goes out. ELM H Series Microgrids can operate indefinitely off grid when properly matched with solar, wind or generator sources.



#### ENERGY COST SAVINGS

Intelligent ELM Microgrid controls integrate with new or existing solar, generators and your utility service to optimize the usage of energy, maximizing the value of your renewable investment while reducing or even eliminating your energy bills.



#### TRUSTED RELIABILITY

ELM FieldSight provides 24/7 Monitoring, Alerting and Alarming about the health and performance of your system through our native app and cloud hosted web portal. ELM 24/7 Support Desk and Dealer Service centers are directly connected to your system.

## Home Series MICROGRIDS

### Take Charge of Your Energy

ELM Microgrid Packages provide our customers with energy independence and resiliency in a safe, reliable and complete solution they can trust. Our factory built and tested units, installed and supported by ELM Certified Dealers are designed for both commercial and residential use and are backed by a 10-year warranty and 24/7 health and performance monitoring to provide you with peace of mind that you can count on for your energy needs.

ELM Microgrid packages feature our built in Microgrid Site Controller, Batteries and Storage Inverters that integrate seamlessly with pre-existing or new onsite energy production sources such as solar, wind or generators to provide you with your own Independent Microgrid, freeing you from dependence on your utility provider for your energy security.

ELM has served the Energy Industry for over 20 years with utility, commercial and residential services and solutions. With over 1000 employees, 900 Service Trucks, a full line of Energy Products and Solutions, and Locations in 20 States bolstered by our growing international certified dealer service network - ELM is uniquely positioned to lead the evolution of the energy industry in the way power is both produced and provided.

# ELM Home 1030

## TECHNICAL SPECIFICATIONS

### Electrical Specifications

#### Single Phase Operation

AC Voltage	240 VAC
AC Input/Output Current	41 A
AC Output Power ( <i>discharge</i> )	10kVA/9kW Continuous
AC Input Power ( <i>charge</i> )	10kVA/9kW Continuous
Battery Capacity	33.6 kWh
Expansion Battery Units	33.6 kWh Each
Max System Capacity	134.4 kWh
AC Frequency	50 Hz & 60 Hz
Max AC Overcurrent	51.25 A
AC Override Bypass	200 A
Peak Efficiency	93%
AC Connection	Split Phase 3 Wire L1, L2, N
Battery Chemistry	LiFePO4 (Non-Hazardous)
Cycle Life	6000 Cycles @ 90% DOD
	4500 Cycles @ 100% DOD
System Life	10+ Year

### Certifications

Batteries	UL 1973
Inverter	UL 1778

### Control Software

ELM FieldSight Controller Built In
Access & Alerts on Desktop & Mobile 24/7
Asset Monitoring System Level & Individual
Individual Microgrid Component Pages
Built in HMI Touchscreen
Communications: Ethernet, Cellular

### Operation Parameters

Off Grid MicroGrid	Black Start Solar Integration Generator Integration
Grid Tied MicroGrid	Peak Shaving Seamless Back Up Demand Response Time of Use Shift

### Equipment Specifications

External Dimensions Main	72"H x 24"W x 27"D
Weight	1000 lbs.
Lifting Provisions	Built in Casters Dolly
Expansion Battery Module Dimensions	72"H x 24"W x 27"D
Cabinet	Indoor Rated Available Outdoor NEMA Upgrade
Temperature Range	
Standard	0°C to 50°C
NEMA Outdoor	-20°C to 55°C



For higher power or higher storage requirements please contact ELM for information on our full line of Microgrid products.

# ELM Home 2030

## TECHNICAL SPECIFICATIONS

### Electrical Specifications

#### Single Phase Operation

AC Voltage	240 VAC
AC Input/Output Current	83 A
AC Output Power ( <i>discharge</i> )	20kVA/18kW Continuous
AC Input Power ( <i>charge</i> )	20kVA/18kW Continuous
Battery Capacity	33.6 kWh
Expansion Battery Units	33.6 kWh Each
Max System Capacity	134.4 kWh
AC Frequency	50 Hz & 60 Hz
Max AC Overcurrent	103 A
AC Override Bypass	200 A
Peak Efficiency	93%
AC Connection	Split Phase 3 Wire L1, L2, N
Battery Chemistry	LiFePO4 (Non-Hazardous)
Cycle Life	6000 Cycles @ 90% DOD 4500 Cycles @ 100% DOD
System Life	10+ Year

### Certifications

Batteries	UL 1973
Inverter	UL 1778

### Control Software

ELM FieldSight Controller Built In
Access & Alerts on Desktop & Mobile 24/7
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Communications: Ethernet, Cellular

### Operation Parameters

Off Grid MicroGrid	Black Start Solar Integration Generator Integration
Grid Tied MicroGrid	Peak Shaving Seamless Back Up Demand Response Time of Use Shift

### Equipment Specifications

External Dimensions Main	72"H x 24"W x 27"D
Weight	1050 lbs.
Lifting Provisions	Built in Casters Dolly
Expansion Battery Module Dimensions	72"H x 24"W x 27"D
Cabinet	Indoor Rated Available Outdoor NEMA Upgrade
Temperature Range	Standard NEMA Outdoor
	0°C to 50°C -20°C to 55°C



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