



**MYERS**  
EMERGENCY & POWER SYSTEMS

EnerShed<sup>TM</sup>



## Discover the future of energy management with our cutting-edge Energy Storage System

By choosing our innovative solution, you can significantly reduce your energy costs while simultaneously harnessing the power of renewable energy sources.



**Embrace the future of sustainable energy with our best-in-class technology and take control of your energy today.**

*Scan to download*



# EnerShed Energy Storage System

A stationary energy storage system befitting the Myers Emergency Power Systems brand.

## Uncompromised Capability

Simplicity and configurability, with EnerShed, you get both. Our 30 kW AC module enables significant sizing flexibility, allowing you to design your energy storage system to your exact needs, every time.

## Highest Energy Density with the Lowest Operating Costs

The forced air cooling means you get a leading energy density that is compact and simple to maintain, with no liquid cooling or HVAC equipment to cause headaches or take up space.

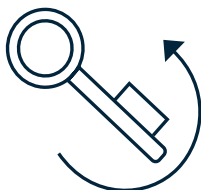
## Unmatched Reliability

Myers has over 60 years of experience providing emergency power systems for critical infrastructure, from emergency lighting to rail and transit. We've taken that expertise and put it into EnerShed, a stationary energy storage system for the commercial market that you can rely on.



### Highly Configurable

A modular design allows for precise sizing of both power electronics and battery energy, while remaining completely scalable.



### Turnkey Solutions

All units arrive to their pre-prepped pad fully assembled, factory-tested, and ready for connection.

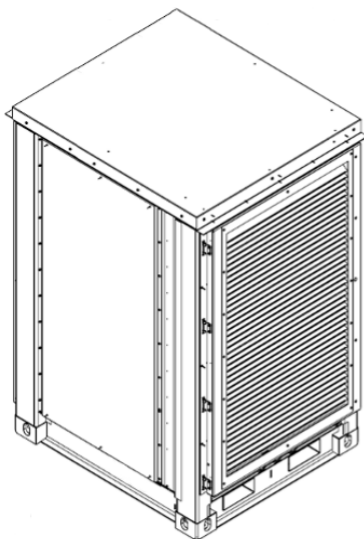
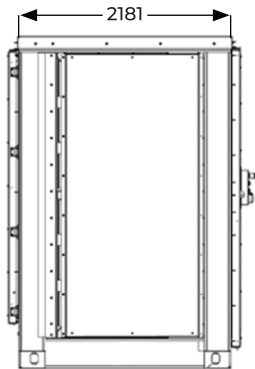
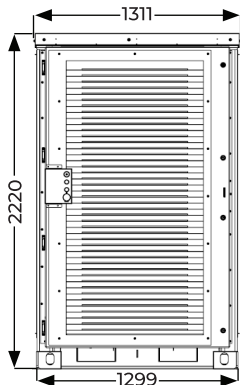


### Defense In Depth

Safety is embedded in every level throughout the system to continuously monitor, detect, and halt potential anomalies.

# EnerShed M2

## Energy Storage System



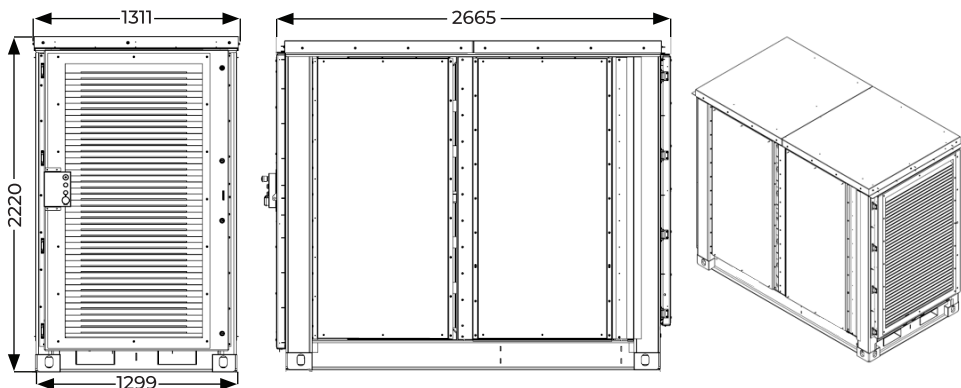
Model	ES-M2-02	ES-M2-03	ES-M2-04	ES-M2-05
AC Output Power (kW)	60	90	120	150
Usable Energy (kWh)*	100	150	200	250
Weight (lbs)	5700	7000	8400	9700
AC Max Current	80	120	160	200
Dimensions HxDxW (mm)	2220 x 2181 x 1311			
AC Voltage	480 V (+/-10%), 3 Phase, 3W + Gnd			
Operating Frequency	60Hz (45 Hz - 65 Hz)			
PF at Rated Output Power	0.8 Leading - 0.8 Lagging			
THDi	<3%			
Power Factor Correction	>99%			
Corrosion Category IEC 61701	Category 5			
Noise Emission	65 dB(A)			
Thermal Management	Proprietary Forced Air			
Operating Temp Range	-30 C - 60 C			
Storage Temp Range	5 C to 40 C			
Maximum Permissible Relative Humidity	95%			
Rated Altitude	3000 ft			
Enclosure	NEMA Type 3R			
Battery Chemistry	LiFePO4			
RTE	+90%			
Communication	SunSpec Over ModBus TCP/IP			
FCC	Class A			
Regulatory	UL9540, UL9540A, UL1741 SA/SB, IEEE 1547-2020, UL1642, UL1973			

\*Nominal usable energy at AC terminals, Day 1.

Multiple units may be used on a single site.

# EnerShed M4

## Energy Storage System



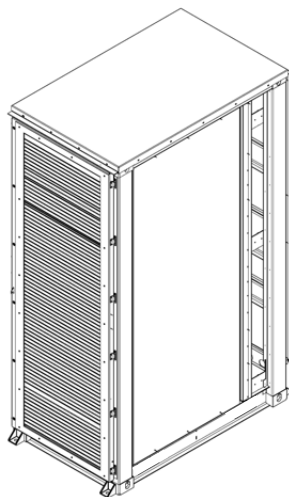
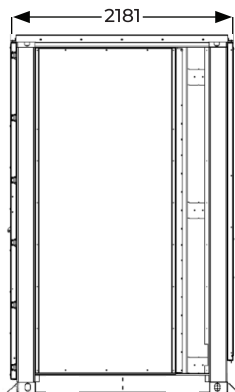
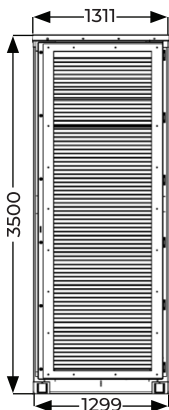
Model	ES-M4-02	ES-M4-03	ES-M4-04	ES-M4-05
AC Output Power (kW)	60	90	120	150
Usable Energy (kWh)*	200	300	400	500
Weight (lbs)	10200	12600	14900	17300
AC Max Current	80	120	160	200
Dimensions HxDxW (mm)	2220 x 2665 x 1311			
AC Voltage	480 V (+/-10%), 3 Phase, 3W + Gnd			
Operating Frequency	60Hz (45 Hz - 65 Hz)			
PF at Rated Output Power	0.8 Leading - 0.8 Lagging			
THDi	<3%			
Power Factor Correction	>99%			
Corrosion Category IEC 61701	Category 5			
Noise Emission	65 dB(A)			
Thermal Management	Proprietary Forced Air			
Operating Temp Range	-30 C - 60 C			
Storage Temp Range	5 C to 40 C			
Maximum Permissible Relative Humidity	95%			
Rated Altitude	3000 ft			
Enclosure	NEMA Type 3R			
Battery Chemistry	LiFePO4			
RTE	+90%			
Communication	SunSpec Over ModBus TCP/IP			
FCC	Class A			
Regulatory	UL9540, UL9540A, UL1741 SA/SB, IEEE 1547-2020, UL1642, UL1973			

\*Nominal usable energy at AC terminals, Day 1.

Multiple units may be used on a single site.

# EnerShed L2

## Energy Storage System



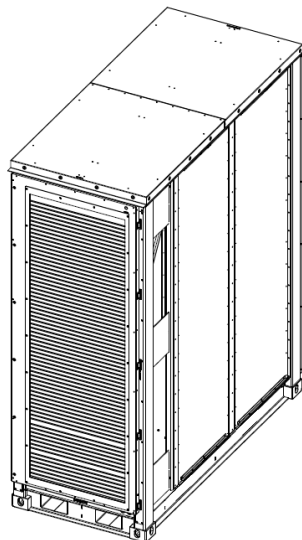
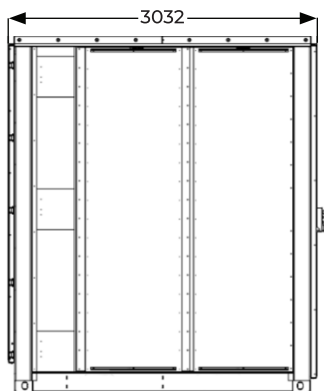
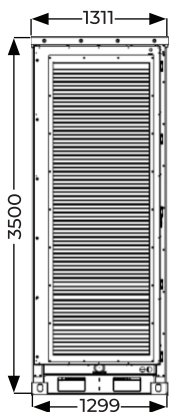
Model	ES-L2-06	ES-L2-07	ES-L2-08	ES-L2-09	ES-L2-10
AC Output Power (kW)	180	210	240	270	300
Usable Energy (kWh)*	300	350	400	450	500
Weight (lbs)	13600	14900	16300	17600	19000
AC Max Current	240	280	320	360	400
Dimensions HxDxW (mm)	3500 x 2181 x 1311				
AC Voltage	480 V (+/-10%), 3 Phase, 3W + Gnd				
Operating Frequency	60Hz (45 Hz - 65 Hz)				
PF at Rated Output Power	0.8 Leading - 0.8 Lagging				
THDi	<3%				
Power Factor Correction	>99%				
Corrosion Category IEC 61701	Category 5				
Noise Emission	65 dB(A)				
Thermal Management	Proprietary Forced Air				
Operating Temp Range	-30 C - 60 C				
Storage Temp Range	5 C to 40 C				
Maximum Permissible Relative Humidity	95%				
Rated Altitude	3000 ft				
Enclosure	NEMA Type 3R				
Battery Chemistry	LiFePO4				
RTE	+90%				
Communication	SunSpec Over ModBus TCP/IP				
FCC	Class A				
Regulatory	UL9540, UL9540A, UL1741 SA/SB, IEEE 1547-2020, UL1642, UL1973				

\*Nominal usable energy at AC terminals, Day 1.

Multiple units may be used on a single site.

# EnerShed L4

## Energy Storage System



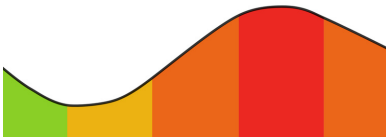
Model	ES-L4-06	ES-L4-07	ES-L4-08	ES-L4-09	ES-L4-10
AC Output Power (kW)	180	210	240	270	300
Usable Energy (kWh)*	600	700	800	900	1000
Weight (lbs)	19600	21900	24300	26600	29000
AC Max Current	240	280	320	360	400
Dimensions HxDxW (mm)	3500 x 3032 x 1311				
AC Voltage	480 V (+/-10%), 3 Phase, 3W + Gnd				
Operating Frequency	60Hz (45 Hz - 65 Hz)				
PF at Rated Output Power	0.8 Leading - 0.8 Lagging				
THDi	<3%				
Power Factor Correction	>99%				
Corrosion Category IEC 61701	Category 5				
Noise Emission	65 dB(A)				
Thermal Management	Proprietary Forced Air				
Operating Temp Range	-30 C - 60 C				
Storage Temp Range	5 C to 40 C				
Maximum Permissible Relative Humidity	95%				
Rated Altitude	3000 ft				
Enclosure	NEMA Type 3R				
Battery Chemistry	LiFePO4				
RTE	+90%				
Communication	SunSpec Over ModBus TCP/IP				
FCC	Class A				
Regulatory	UL9540, UL9540A, UL1741 SA/SB, IEEE 1547-2020, UL1642, UL1973				

\*Nominal usable energy at AC terminals, Day 1.

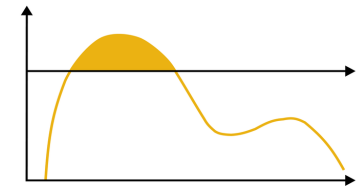
Multiple units may be used on a single site.

**Battery Energy Storage Systems (BESS) are instrumental for enhancing Energy Resiliency, acting as a reliable backup power source during grid outages, natural disasters, and security threats.**

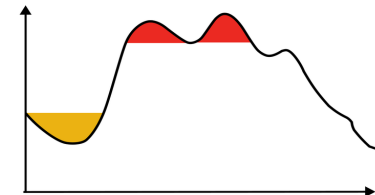
BESS supports microgrids, enabling uninterrupted power supply in isolated regions, and helps manage peak demand to prevent blackouts. It also facilitates the integration of intermittent renewable energy sources, maintaining consistent power output. BESS's versatility makes it indispensable for ensuring continuous energy availability, reducing downtime, and improving overall resiliency in various critical applications. Other use cases include:



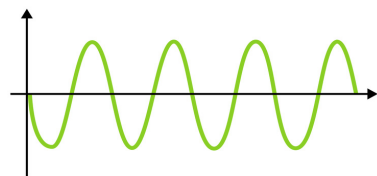
**ENERGY ARBITRAGE** exploits electricity price variations by buying low during off-peak times and selling or using it when prices rise. Beneficial for energy storage systems, like batteries, it stores excess energy during low-demand periods and releases it when prices peak. Profitability depends on price differentials and storage efficiency. In regions with volatile pricing, it promotes sustainability and efficient energy use.



**ENERGY DEMAND RESPONSE** is a strategy in the energy industry that manages electricity demand during peak periods, incentivizing users to reduce consumption for compensation. Typically run by utilities or grid operators, these programs offer incentives like bill reductions or rebates. They benefit utilities by reducing costly peak generation, minimizing blackout risks, and fostering efficient energy use.



**PEAK SHAVING** reduces grid energy consumption during peak demand by storing energy during low-demand times and using it later. It benefits utilities and large users by lowering peak electricity costs. Energy storage systems, demand response programs, and energy efficiency methods all play a role in peak shaving.



**FREQUENCY REGULATION** maintains grid stability by adjusting Battery Energy Storage System (BESS) power output in response to frequency fluctuations caused by supply-demand variations. BESS equipped with advanced controls rapidly charge or discharge energy, stabilizing grid frequency for reliable, efficient operation.



# Defense in Depth

## 7 Layers of Safety

### PREVENTION

**Design:**

Low cell count and LFP prismatic cells ensure safe voltage levels and compliance with UL60950.

**Galvanic Isolation:**

Power electronics isolate cell groups, preventing hazards from spreading.

**Individual Isolation:**

Power electronics monitor current, voltage, and temperature every 30 microseconds for rapid shutdown.

**Thermal Management:**

Cells are thermally separated and individually cooled to prevent overheating.

### 4 LAYERS OF PREVENTION

### CONTAINMENT

**Independent 1+1****Redundant Monitoring:**

Controls shut off power, discharges energy, and triggers emergency stop in case of temperature anomalies.

**Fire Suppression:**

Redundant system complies with industry standards, suppresses fires and eliminates oxygen.

**Dry Pipe System:**

Preventative measure triggered by fire department or internal heat breach to prevent fire propagation.

### 3 LAYERS OF CONTAINMENT

