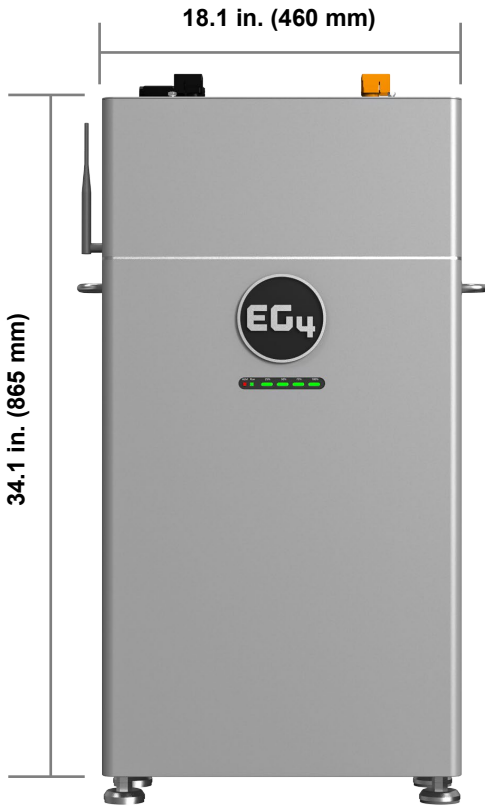


EG4® WALLMOUNT 314AH INDOOR BATTERY



The EG4® WallMount 314Ah Indoor battery delivers dependable, high-efficiency storage for clean, protected spaces. Each unit uses advanced lithium iron phosphate cells and provides about 16kWh of energy. The form factor stays compact and familiar, sized to fit where earlier models fit, which keeps retrofits and system expansions straightforward. This model includes EG4's smart BMS with active balancing, network connectivity, and over the air firmware updates. Installers and homeowners get faster setup, stronger control, and long-term performance support through the EG4 battery monitoring app.

FASTER
COMMISSION
TIME

REMOTE
FIRMWARE
UPDATES

UNIVERSALLY
EXPANDABLE

LONGER CELL LIFE

Active balancing (2 – 3A) speeds up cell equalization for longer life.

AUTO CONFIGURATION

Eliminates manual DIP switch setup, detects and configures automatically for faster commissioning.

MULTIPLE COMPATIBLE INVERTERS

Smart BMS automatically detects and communicates with EG4 inverters for true plug-and-play operation.

CONFIGURABLE PORTS

NO/NC + 12V outputs for generator start, alarms, or custom triggers.

ENHANCED SAFETY

Internal fire arrestors, reinforced cell enclosures, and compliance with the latest UL and AHJ standards.



TECHNICAL SPECIFICATIONS

TYPE & MODEL #		
PARAMETER		SPECIFICATION
PRODUCT TYPE		LFP Battery
BATTERY TYPE		Lithium Iron Phosphate (LFP)
MODEL NUMBER		WM-48-314-IN-XX / WM48314INXX (XX is a number between 00 – 99)
ELECTRICAL CHARACTERISTICS		
NOMINAL ENERGY CAPACITY		16kWh
USABLE ENERGY [DOD%]		12.86kWh (80% recommended)
RECOMMENDED VOLTAGE RANGE		47.5 – 57.6 VDC
NOMINAL VOLTAGE		51.2 VDC
CAPACITY		314Ah
CHARGING VOLTAGE RANGE		56 – 57 VDC
DISCHARGING CUT-OFF VOLTAGE		47.5 VDC
MAX CONTINUOUS/RECOMMENDED CHARGE CURRENT		157A/157A
MAX CONTINUOUS/RECOMMENDED DISCHARGE CURRENT		200A/157A
CONTINUOUS CHARGE/DISCHARGE POWER		8/10.2 kW
RECOMMENDED CHARGING/DISCHARGING RATE		0.5C
SHORT CIRCUIT CURRENT		1700A, 15ms delay
PEAK POWER		12.8kW (3 sec)
ROUND-TRIP EFFICIENCY		95%
MAX PARALLEL UNITS		32
PROTECTION FEATURES		Over/Under Voltage, Over-Current, Short Circuit, High/Low Temp
BATTERY MANAGEMENT SYSTEM [BMS]		Integrated, Active Balancing
COMMUNICATION PROTOCOLS		RS485, CAN
BATTERY BREAKER		250A
BATTERY HEATER SPECIFICATIONS		
PARAMETER	SPEC	CONDITION
VOLTAGE	56V	-
POWER CONSUMPTION	448W	-
INTERNAL BATTERY TEMPERATURE	≤32°F (0°C)/≥37°F (3°C)	Heat On/Heat Off
ENVIRONMENTAL SPECIFICATIONS		
STORAGE TEMPERATURE RANGE*		-4 – 131°F (-20 – 55°C)
HUMIDITY RANGE		5% – 95% RH (non-condensing)
ALTITUDE		9843 ft. (<3000 m)
COOLING METHOD		Natural Convection
DIMENSIONS [H × W × D]		34.1 in. × 18.1 in. × 9.6 in. (865 mm × 460 mm × 245 mm)
OPERATING TEMPERATURE RANGE		Charge: 32 – 122°F (0 – 50°C) Discharging: -4 – 131°F (-20 – 55°C)

*Less than 3 months of storage. If longer than 3 months, recommended storage temperature will be 59°F – 86°F (15°C - 30°C).

MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
WEIGHT	293.2 lbs. (133 kg)
ENCLOSURE RATING	IP20
MOUNTING OPTIONS	Floor mount/wall attached
DISPLAY/INDICATORS	LED Status
CONNECTOR TYPE	Degson quick connector/screw terminal

CERTIFICATIONS & COMPLIANCE

UL 1973	Yes
UL 9540	See https://eg4electronics.com/ for supported UL 9540 configurations
UL 9540A	Yes

WARRANTY & LIFECYCLE

CYCLE LIFE [70% EOL CAPACITY]*	10000 cycles @ 0.5C, 25°C, 80% DOD
DESIGN LIFE	10 years
WARRANTY	10 years or 10000 cycles
LIFETIME PRODUCTION**	122.2 MWh
APPLICATION TYPE	Residential/Commercial/Off-grid/Backup

*EG4 recommends this value be set no lower than 20% to maintain the recommended 80% Depth of Discharge.

** $(51.2V \times 314Ah / 1000 \times 80\% \times 10000 / 1000) 95\% = 122.2 \text{ MWh}$ or
 $(12861 \text{ kWh} \times 10000 \text{ cycles} \times 95\% \text{ efficiency}) = 122.2 \text{ MWh}$

CHANGELOG

V1.0.4

- Removed section reference

V1.0.3

- Changed UL9540A from pending to yes
- Modified spec sheet certifications and compliance section

V1.0.2

- Added additional battery model number
- Added Battery Heater specifications to spec sheet
- Modified verbiage for readability
- Updated Max Parallel Units from 16 to 32
- Updated lifetime production value

V1.0.1

- Added link to supported UL9540 configurations

V1.0

- Document published