

# High Voltage LFP Batteries

E24™

P363E



## High Voltage LFP Batteries

E24 Offers modular lithium Iron (LFP) batteries in various powers and voltages in order to build the most adapted energy storage solutions.



## High Voltage Modular 38.4 Vdc LFP Batteries for 76.8-1229 Vdc LFP Energy Storage Systems

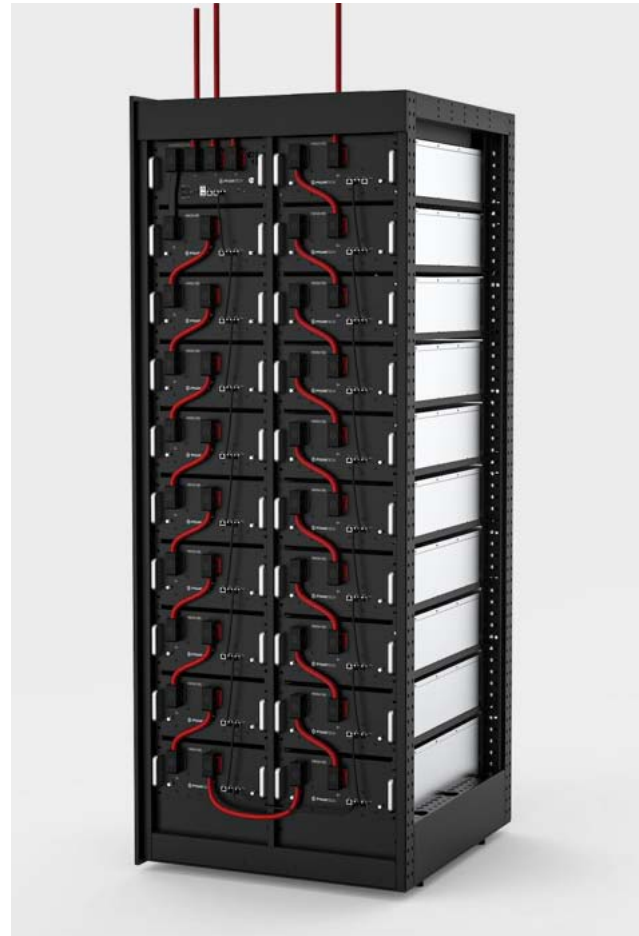
Standard LFP batteries can only be connected in parallel. Connecting standard low voltage lithium batteries in series will result in system failure. Special high voltage LFP batteries with adequate controllers are required when series connections are desired.

E24 offers modular 38.4V LFP batteries and their controllers build battery assemblies reaching up to 1229Vdc in order to be compatible with any of its inverters or other Tier 1 inverters.

### 38.4Vdc Module Specifications

<b>Reference:</b>	<b>LFP38H-M5K68</b>
<b>Number of LFP Cells</b>	<b>12</b>
<b>Cells Voltage &amp; Capacity (Vdc, Ah)</b>	<b>3.2V, 148Ah</b>
<b>Module Voltage, Capacity (Vdc, KWh)</b>	<b>38.4Vdc, 5.6832 Kwh</b>
<b>Module Voltage Range (Vdc)</b>	<b>32.4 to 44.4</b>
<b>Design number of Cycles</b>	<b>10,000 @ 50% DOD</b> <b>8,000@ 80% DOD</b>
<b>Communication</b>	<b>RS485 Modbus, CAN, TCP/IP</b>
<b>Maximum Charge / Discharge Current</b>	<b>150A (1C)</b>
<b>Efficiency at 0.5C Rate of Discharge</b>	<b>96%</b>
<b>Maximum Depth of Discharge (DOD)</b>	<b>90%</b>
<b>Dimensions (WxDxH) (mm)</b>	<b>315 x 820 x 171.5</b>
<b>Weight (Kg)</b>	<b>55</b>
<b>Index of Protection</b>	<b>IP20</b>
<b>Design Life (Years)</b>	<b>15+</b>
<b>Operating Temperature (°C)</b>	<b>+0 to + 50</b>
<b>Storage Temperature (°C)</b>	<b>-20 to + 60</b>
<b>Humidity (%)</b>	<b>5 to 95</b>
<b>Altitude (m)</b>	<b>2000</b>
<b>Certifications</b>	<b>IEC62619, UL 1973,</b> <b>UL9540A, CE, UN38.3</b>
<b>Warranty</b>	<b>10 Years PR(*)</b>

(\*) Refer to Terms and Conditions



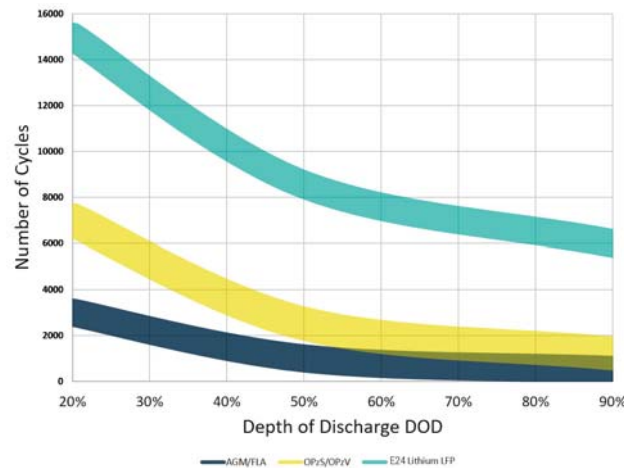
LFP38H-M5K68



## Outstanding LFP Cells Quality

E24 collaborates with the worlds leading LFP cells manufacturers through a proven screening and quality control process to offer the highest quality LFP batteries possible.

E24 batteries deliver more than 9,000 cycles at 50%DOD and well beyond 6000 cycles at 90% DOD under a 10 Year warranty program.



## 10-Year Field Warranty

**E24 Offers the longest warranty on LFP batteries in the industry.**

With 10-Year warranty (Refer to E24 Terms and conditions), E24 offers the most solid warranty on LFP batteries on the market.

## Remote Monitoring & After-Sales Service

**E24 Offers a range of after-sales service in partnership with its and service partners**

As part of E24 service offering, E24 offers remote monitoring service agreements to monitor clients assets and notify of any abnormality. The Remote monitoring serives is a remote prevent maintenance contract that would detect in a very early stage any system malfunction and recomande the corrective measures. E24 offers further after sales services to properly maintain client's assets.

## International Quality Certifications

E24 lithium Iron (LFP) battery assemblies and containers follow stringent quality control and have obtained the needed certifications to be installed on international markets.



UL 1973

IEC 62619

UL 9540A



IEC 63056

VDE

## Other Products from E24



Fuel Savers



PCS



String Inverters



Solar Structures

# E24 Modular Range Of Products For Building Easy, Flexible & Evolutive Solutions

E24 products dynamically evolve with the lifestyle and work style of its customers while easing the installation process.

E24 products are conceived in modules allowing for an easy upgrade to adjust with the needs of the customers. Being modular and easy to connect E24 products allow installers to easily configure the required modules for an optimal solution while offering upgrade options.



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## Compatibility with Other Brands

E24 LFP battery modules are fully compatible with all E24 inverters as well as inverters from the following brands:



## Ordering Information

Ref Number	Description
LFP38H-RM4-5K7	HV LFP battery RM Module, 3.9U, 172mm height, 38.4Vdc, 5.68KWh, 150A
LFP70H-RM3-7K	HV LFP battery RM Module, 3.3U, 145mm height, 70.4Vdc, 7.0KWh, 50A
LFP77H-RM4-10K	HV LFP battery RM Module, 4.5U 200mm height, 76.8Vdc, 9.6KWh, 100A
LFP51H-RM5-16K	HV LFP battery RM and WM Module, 5.3U, 51.2Vdc, 16KWh, 150A



[www.e24solutions.com](http://www.e24solutions.com)

