

# 1 E-LTO-G1 Technical specifications

## 1.1 Modular, operational range on string level

Nominal voltage (VDC)	221-994
Energy capacity (kWh)	10-45

## 1.2 Standard rack configuration

Nominal voltage (VDC)	662
Voltage (VDC)	Min:605 Max:749
Cooling	Forced air
Height (mm)	1692
Width (mm)	1125
Weight (kg)	450

## 1.3 Life-time comparison @ 2C dis-/charging cycles 80% EOL

# of cycles	Echandia LTO (% DOD)	Generic NMC (% DOD)
7500	100	70
8500	100	66
10000	100	60
12000	100	56
25000	90	38
32500	80	33
40000	70	30
69000	50	22
132500	30	16

## 1.4 Standards

EMC	IEC 60945 Ed.3, IEC 61000-4, CISPR 16-2-1,3
Ingress protection	IP23
Vibration	DNV-GL
Type approval	DNV-GL CP-0441

## 1.5 Safety (first) spec

Emergency stop	Hard wired with line fault detection
Propagation protection	Passive at module level
Temperature protection	Redundant fail-safe
Fault detection	Over- & under- voltage, over-temperature
Firefighting solution	Prepared for integrated F4M CAFS