

Rattery Model

## 480V Outdoor and Indoor

## **Battery Energy Storage System**

|                                                           | L3 HV-60                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| L3-HVR-6UKWH                                              | L3-HV-60KWH                                                                                                                                                                                                                                                                                                             |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
| Outdoor                                                   | Indoor                                                                                                                                                                                                                                                                                                                  |
| Lithium Iron Phosphate                                    |                                                                                                                                                                                                                                                                                                                         |
| 61.44 kWh                                                 |                                                                                                                                                                                                                                                                                                                         |
| 55.30 kWh                                                 |                                                                                                                                                                                                                                                                                                                         |
| 200A                                                      |                                                                                                                                                                                                                                                                                                                         |
| 160A                                                      |                                                                                                                                                                                                                                                                                                                         |
| 60 kWac                                                   |                                                                                                                                                                                                                                                                                                                         |
| 78 kWac                                                   |                                                                                                                                                                                                                                                                                                                         |
| 125 kWac                                                  |                                                                                                                                                                                                                                                                                                                         |
| 6                                                         | 16                                                                                                                                                                                                                                                                                                                      |
| 6 2                                                       | 10                                                                                                                                                                                                                                                                                                                      |
| 909                                                       | %                                                                                                                                                                                                                                                                                                                       |
| 614.4V                                                    |                                                                                                                                                                                                                                                                                                                         |
| 588V-672V                                                 |                                                                                                                                                                                                                                                                                                                         |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
| 50,                                                       | 4                                                                                                                                                                                                                                                                                                                       |
| 100A                                                      |                                                                                                                                                                                                                                                                                                                         |
| 125A                                                      |                                                                                                                                                                                                                                                                                                                         |
| 90% (25C, 0.5C)                                           |                                                                                                                                                                                                                                                                                                                         |
|                                                           | 58x58x218 cm (23x23x86 in)                                                                                                                                                                                                                                                                                              |
|                                                           | 773 kg (1,705lbs)                                                                                                                                                                                                                                                                                                       |
|                                                           | Freestanding Rack Mount                                                                                                                                                                                                                                                                                                 |
| -10°C – 50°C (14°F – 122°F)                               | 4°C – 43°C (40°F – 110°F)                                                                                                                                                                                                                                                                                               |
| 5%-85% RH                                                 |                                                                                                                                                                                                                                                                                                                         |
| 3000m (9,843 ft)                                          |                                                                                                                                                                                                                                                                                                                         |
| -4°F – 95°F                                               |                                                                                                                                                                                                                                                                                                                         |
| Up to 85% RH (non-condensing) State of Charge (SOC) 30%   |                                                                                                                                                                                                                                                                                                                         |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
| 75 dBA at 30°C (86°F)                                     | < 40 dBA at 30°C (86°F)                                                                                                                                                                                                                                                                                                 |
| 4                                                         | . /                                                                                                                                                                                                                                                                                                                     |
| CAN2.0/RS485                                              |                                                                                                                                                                                                                                                                                                                         |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
| 12s1p                                                     | 12s1p                                                                                                                                                                                                                                                                                                                   |
| 5.12kWh                                                   |                                                                                                                                                                                                                                                                                                                         |
| 51.2V                                                     |                                                                                                                                                                                                                                                                                                                         |
| 100Ah                                                     |                                                                                                                                                                                                                                                                                                                         |
| 1007                                                      |                                                                                                                                                                                                                                                                                                                         |
| 40                                                        | M/b There we be not                                                                                                                                                                                                                                                                                                     |
| 10 years or 196MWh Throughput                             |                                                                                                                                                                                                                                                                                                                         |
| 10 Years<br>UL1973, UL9540, UL9540a, UN38.3, FCC, Prop 65 |                                                                                                                                                                                                                                                                                                                         |
|                                                           |                                                                                                                                                                                                                                                                                                                         |
|                                                           | Lithium Iron 61.44 55.30 200 160 60 kV 78 kV 125 kV 6 6 6² 905 614. 588V-6 50, 100 125 90% (250 76×107×226 cm (30×42×89 in) 950 kg (2,095 lbs) Outdoor Enclosure -10°C - 50°C (14°F - 122°F) 5%-85 3000m (9 -4°F - Up to 85% RH (no State of Charg IP55 (NEMA 3R) 75 dBA at 30°C (86°F) 4 CAN2.0/ 12s1p 5.12k 51.2 100/ |

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- 1. DC usable energy, test conditions: 90% DOD, 0.3C charge and discharge at 25°C. System usable energy may vary due to system configuration parameters.
- 2. For larger outdoor installations use the Sol-Ark Mega Ark.
- 3. Output current is affected by battery temperature and SOC.
- 4. Temperature is based on the average cell temperature as measured by the BMS. Battery charging is disabled below 0°C (32°F). Derating occurs above 45°C (113°F). For HVR model, operating temperature range only applies if using included climate controls. See Sol-Ark technical sales for planning outdoor sites.
- 5. Battery will operate at a maximum of 1C charge/discharge up to 2000m, above 2000m maximum output is derated to 0.8C, contact Sol-Ark for details.
- 6. Storage temperature of the battery with no charge or discharge
- 7. EOL (End of Life) 70% retained capacity. See L3 Series warranty document for details.