



# SOLUNA LYRA 5K



51.2 V Battery  
Voltage



≥ 6000 Cycle



Compatible with  
Most Inverters



Built in Wi-Fi



# SOLUNA LYRA 5K

## TECHNICAL SPECIFICATION

### PHYSICAL CHARACTERISTICS

|              |                              |
|--------------|------------------------------|
| Height (mm)  | 595                          |
| Width (mm)   | 420                          |
| Depth (mm)   | 160                          |
| Weight (kg)  | 47                           |
| Installation | Floor-stand,<br>Wall-mounted |

### ELECTRICAL CHARACTERISTICS

|  |             |
|--|-------------|
| Battery type                           | Lithium LFP |
| Nominal capacity (kWh)                 | 5.12        |
| Nominal voltage (V)                    | 51.2        |
| Voltage range (usable) (V)             | 48-57.6     |
| Max charge (A)                         | 75          |
| Discharge current (A)                  | 100         |
| Depth of discharge (DoD) (%)           | 90          |
| Internal resistance (m)                | ≤ 40        |
| Cycle life                             | ≥ 6000      |
| Battery pack round-trip efficiency (%) | > 95        |
| DC disconnect                          | MOSFET FUSE |

### BMS

|                       |  |
|-----------------------|--|
| Power consumption     | <3 W (work)<br><100 mW (sleep)   |
| Monitoring parameters | System voltage<br>System current<br>Cell voltage<br>Cell temperature<br>CAN WIFI, RS 485 |

### OPERATING CONDITIONS

|  |                    |
|--|--------------------|
| Operating temperature (°C)               | -10 to 50          |
| Operating temperature (recommended) (°C) | 15 to 30           |
| Storage temperature (recommended) (°C)   | 15 to 30           |
| Humidity conditions (%)                  | 5 to 95            |
| Altitude (m)                             | Max 2000           |
| Cooling strategy                         | Natural convection |

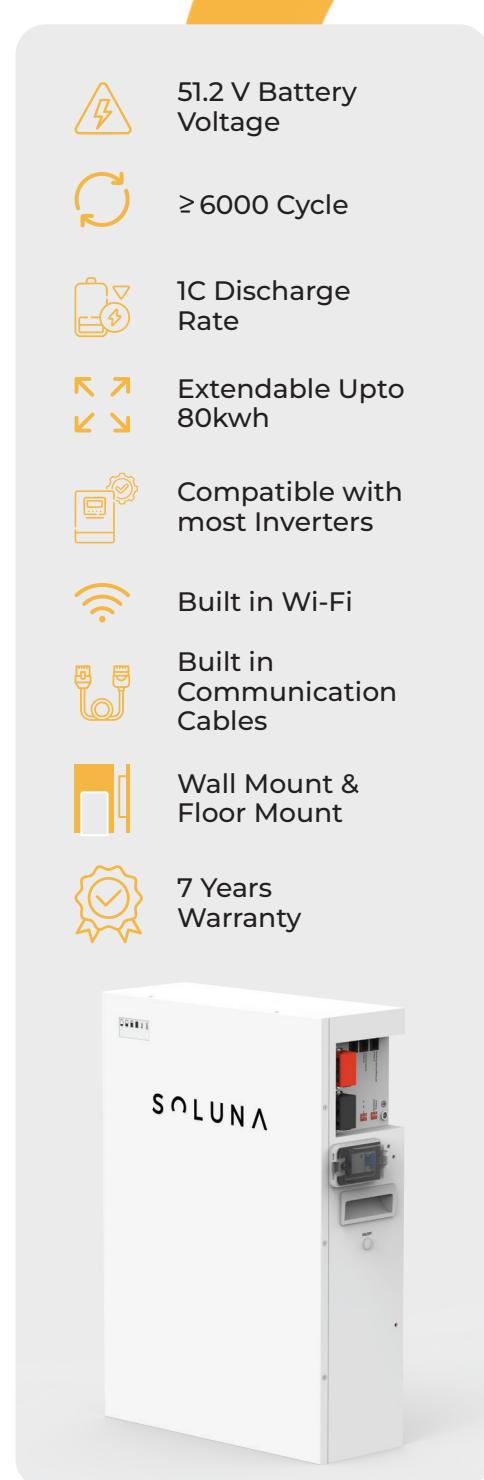
### RELIABILITY AND CERTIFICATION

|                                    |                  |
|------------------------------------|------------------|
| Hazardous materials classification | Class 9          |
| Transportation                     | UN38.3           |
| Certification                      |                  |
| Ingress protection rating          | IP20             |
| System configuration               | 1 to 16 parallel |

### WARRANTY

|                         |                 |
|-------------------------|-----------------|
| Product and performance | 7-year warranty |
|-------------------------|-----------------|

## KEY FEATURES



 **ZNC Solar**

UAN: +92 334 8888 555  
www.zncsolar.com  
128-C, Garden Block,  
New Garden Town, Lahore.

Soluna eCloud  
Monitoring Platform

AVAILABLE ON THE  
App Store

ANDROID APP ON  
Google Play

