

# LUNA2000-2.0MWH-1H0/2H0

## Smart String ESS



**More Energy**



**Optimal Design**



**Simple O&M**



**Safe & Reliable**

| Battery Container                          |  |
|--|--|
| DC Rated Voltage                           | 1,200 V  |
| DC Max. Voltage                            | 1,500 V  |
| Nominal Energy Capacity                    | 2,064 kWh  |
| Rated Power (0.5C)                         | 344 kW * 3   |
| Rated Power (1C)                           | 344 kW * 6   |
| Container Configuration (W x H x D)        | 6,058 x 2,896 x 2,438 mm   |
| Container Weight                           | ≤ 30 t   |
| Operation Temperature Range                | -30°C ~ 55°C   |
| Storage Temperature Range                  | -40°C ~ 60°C   |
| Operation Humidity Range                   | 0 ~ 100% (Without Condensation)                                      |
| Max. Operating Altitude                    | 4,000 m  |
| Cooling Method                             | Smart Air Cooling  |
| Fire Extinguishing                         | FM-200 / Novec 1230  |
| Communication Interface                    | Ethernet / SFP   |
| Communication Protocol                     | Modbus TCP   |
| Protection Degree                          | IP55   |
| Certificates (more available upon request) |  |
| Environment                                | RoHS6  |
| Safety & Electrical                        | IEC62477-1, IEC62040-1, IEC61000-6-2, EN55011, UL9540A, UN3536, etc. |

# Smart String ESS Battery Pack & Smart Rack Controller



| Battery Pack                      |                    |
|-----------------------------------|--------------------|
| General                           |                    |
| Cell Material                     | LFP                |
| Pack Configuration                | 16S 1P             |
| Rated Voltage                     | 51.2 V             |
| Nominal Capacity                  | 320 Ah / 16.38 kWh |
| Supported Charge & Discharge Rate | ≤ 1 C              |
| Weight                            | ≤ 140 kg           |
| Dimensions (W x H x D)            | 442 x 307 x 660 mm |



| Smart Rack Controller     |                    |
|---------------------------|--------------------|
| Efficiency                |                    |
| Max. Efficiency           | 99.0%              |
| Battery Side              |                    |
| Rated Voltage             | 1,075.2 V          |
| Operating Voltage Range   | 40 V ~ 1,400 V     |
| Rated Power Voltage Range | 1,075 V ~ 1,320 V  |
| Min. Start Voltage        | 350 V              |
| Bus Side                  |                    |
| Max. DC Voltage           | 1,500 V            |
| Rated Voltage             | 1,200 V            |
| Rated Current             | 286.7 A            |
| Rated Power               | 344,000 W          |
| General                   |                    |
| Dimensions (W x H x D)    | 600 x 270 x 820 mm |
| Weight                    | ≤ 90 kg            |
| Cooling Method            | Smart Air Cooling  |
| Protection Degree         | IP66               |

