

# SOLUNA VENUS 16K-20



51.2 V Battery  
Voltage



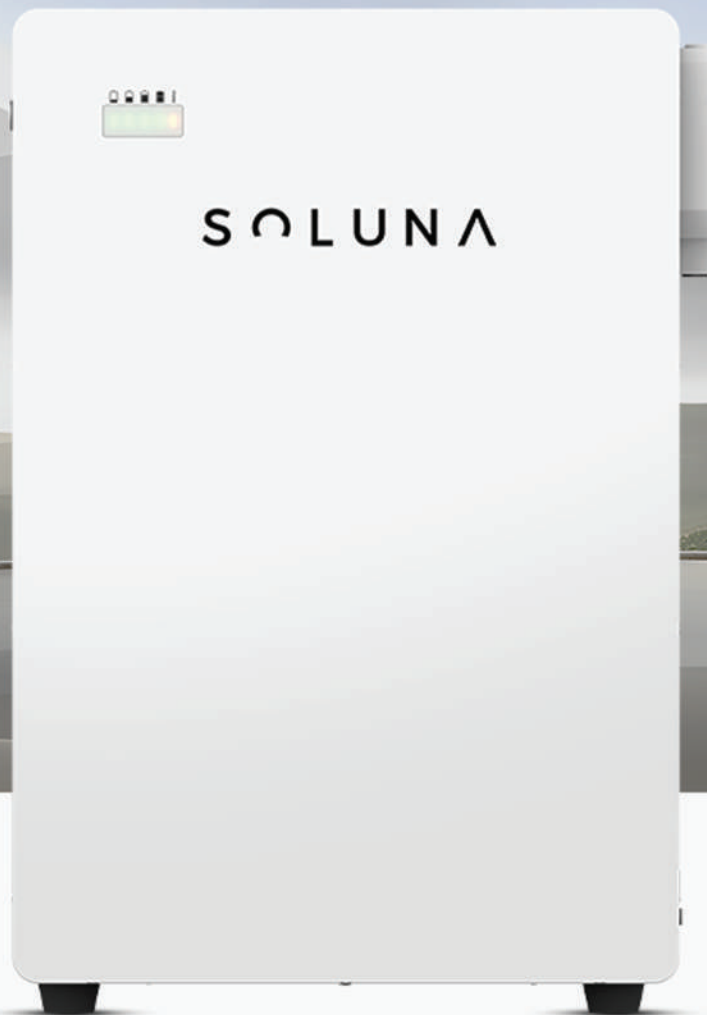
≥ 8000 Cycle



Compatible with  
most Inverters



Built in Wi-Fi



**RESIDENTIAL AND SMALL COMMERCIAL ENERGY STORAGE**

# SOLUNA Venus 16K-20

## TECHNICAL SPECIFICATION

### PHYSICAL CHARACTERISTICS

|              |                          |
|--------------|--------------------------|
| Height (mm)  | 850                      |
| Width (mm)   | 545                      |
| Depth (mm)   | 220                      |
| Weight (kg)  | 127                      |
| Installation | Floor-stand/Wall-mounted |

### ELECTRICAL CHARACTERISTICS

|  |                  |
|--|------------------|
| Battery type   | LFP              |
| Total Energy Capacity (kWh)                                      | 16.07            |
| Usable Energy Capacity (kWh)                                     | 14.46            |
| Nominal capacity (Ah)  | 314              |
| Nominal voltage (V)  | 51.2             |
| Voltage range (usable) (V)                                       | 44.8 to 56.8     |
| Charge/Discharge Current (A)                                     | 150              |
| Charge/Discharge Power (KW)                                      | 7.68             |
| Max.Charge/Discharge Current (A)                                 | 160/220          |
| Max.Charge/Discharge Power (KW)                                  | 8.2/11.2         |
| Recommend Depth of Discharge (%)                                 | 80               |
| Max Depth of Discharge (%)                                       | 90               |
| Cycle life@ 25°C(under standard charge and discharge conditions) | ≥8000            |
| DC Disconnect  | Contactor / Fuse |

### BMS

|                       |   |
|-----------------------|---|
| Monitoring parameters | System voltage<br>System current<br>Cell voltage<br>Cell temperature<br>SOC<br>SOH<br>CAN |
| Communication         | CAN   |

### OPERATING CONDITIONS

|   |                    |
|---|--------------------|
| Operating temperature (°C)              | -10 to 50          |
| Operating temperature(recommended) (°C) | 15 to 30           |
| Storage temperature (recommended)(°C)   | -20 to 60          |
| Humidity conditions(%)                  | 5 to 95            |
| Altitude(m)                             | Max. 2,000         |
| Cooling strategy                        | Natural convection |

### RELIABILITY AND CERTIFICATION

|                           |        |
|---------------------------|--------|
| Certification             | TBD    |
| Transportation            | UN38.3 |
| Ingress protection rating | IP 20  |

### WARRANTY

|                         |                           |
|-------------------------|---------------------------|
| Product and performance | 10-year standard warranty |
|-------------------------|---------------------------|

## KEY FEATURES



Safest Life PO<sub>4</sub> Battery



Extendable Upto 480kwh



IP 20 Ingress Protection



Compatible with most Inverters



Built in Wi-Fi



Built in Communication Cables



Wall Mount & Floor Mount



10 Years Warranty



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