

## GOODWE LYNX F SERIES

6.6 KWH - 131 KWH | HIGH VOLTAGE BATTERY



The GoodWe Lynx Home F Series high voltage battery is compatible with GoodWe EH, ET and GEH inverters. The F series battery offers a wide capacity range from 6.6kWh to 16.4kWh per battery tower and up to 131 kWh energy storage (8 towers) when linked together. The large expandable battery storage provides for a range of applications from large single and three phase homes through to commercial building.

The stackable self-detecting modules make the system especially easy to install and maintain, while the reliable lithium iron phosphate (LFP) battery cell technology ensures maximum safety and a longer life cycle.

### How you benefit:



#### HIGH EFFICIENCY

Ease of installation and maintenance



#### FLEXIBLE DESIGN

Stackable self-detecting modules



#### SAFE OPERATION

Soft start protecting batteries and inverters from a sudden surge



#### INNOVATIVE

IP55 for both indoor and outdoor installation safety



#### SOLAHART WARRANTY

Enjoy a 10-year warranty, for peace of mind.

# TECHNICAL DATA



The F series battery offers a wide capacity range from 6.6kWh to 16.4kWh per battery tower and up to 131 kWh energy storage (8 towers) when linked together. The below table is representative of the option for one battery tower.

| Model                                  | LX F6.6-H   | LX F9.8-H                           | LX F13.1-H      | LX F16.4-H       |
|--|---|-------------------------------------|-----------------|------------------|
| Rated Energy(kWh)*                     | 6.55  | 9.83                                | 13.10           | 16.38            |
| Usable Energy (kWh)*                   | 6.55  | 9.83                                | 13.10           | 16.38            |
| Battery Module                         | LX F3.3-H: 102.4V 3.27kWh                                     |                                     |                 |                  |
| Number of Modules                      | 2   | 3                                   | 4               | 5                |
| Cell Type                              | LFP (LiFePO4)   |                                     |                 |                  |
| Cell Configuration                     | 64S1P   | 96S1P                               | 128S1P          | 160S1P           |
| Rated Capacity(Ah)                     | 32  |                                     |                 |                  |
| Nominal Voltage (V)                    | 204.8   | 307.2                               | 409.6           | 512              |
| Rated DC Power(kW)*                    | 5.12  | 7.68                                | 10.24           | 12.80            |
| Operating Voltage Range (V)            | 182.4 - 230.4   | 273.6 - 345.6                       | 364.8 - 460.8   | 456 - 576        |
| Max. Charging/Discharging Current (A)* | 25  |                                     |                 |                  |
| Max. Charging/Discharging Power (kW)   | 6.1   | 9.2                                 | 12.2            | 15.3             |
| Fault current(A)                       | 3000  | 4600                                | 3500            | 3000             |
| Operating Temperature (°C)             | Charge: 0 - +50; Discharge: -20 - +50                         |                                     |                 |                  |
| Relative Humidity                      | 0-95%   |                                     |                 |                  |
| Max. Operating Altitude (m)            | 2000  |                                     |                 |                  |
| Communication                          | CAN   |                                     |                 |                  |
| Weight (kg)                            | 115   | 158                                 | 201             | 244              |
| Dimensions (W × H × D mm)              | 600 × 610 × 380   | 600 × 765 × 380                     | 600 × 920 × 380 | 600 × 1075 × 380 |
| Ingress Protection Rating              | IP55  |                                     |                 |                  |
| Mounting Method                        | Grounded  |                                     |                 |                  |
| Warranty                               | 10 Years (Performance Warranty) / 10 Years (Product Warranty) |                                     |                 |                  |
| Standard and Certification             | Safety  | IEC62619, IEC62040, VDE2510-50, CEC |                 |                  |
|  | EMO   | CE, RCM                             |                 |                  |
|  | Transportation  | UN38.3                              |                 |                  |

\*1: Test conditions, 100% DOD, 0.2C charge & discharge at +25±2°C for battery system at beginning life. System usable energy may vary with different inverters.

\*2: Nominal dis-/charge current and power derating will occur related to temperature and SOC.

\*: Please visit GoodWe website for the latest certificates. Lynx F series battery is suitable for GoodWe and GE inverters.

Specifications and designs included in this data sheet are subject to change without notice.

Solahart Australia 1300 769 475 | [solahart.com.au](http://solahart.com.au)

Reorder code: SHDS/INVWGLX-F3.3-H

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