Rolls
BATTERY ENGINEERING

# LFP ESS CABINET

## Rolls Modular LFP ESS Cabinet

Suitable for residential and commercial use in off-grid or grid-connected battery backup applications, Rolls LFP ESS Cabinet is a safe, modular & mobile installation option for Rolls S48-100LFP ESS rack-compatible batteries.

The modular design allows easy assembly and installation of four (4) 4U height rack-mount batteries. [S48-100LFP ESS] Magnetic front & rear panels provide added protection as well as easy access for battery configuration and monitoring. The included combiner boxes conceal parallel connections within the cabinet, with connecting cabling and communication located at the rear for safe and streamlined inverter connection.

| LFP ESS CABINET | DESCRIPTION |
|---|---|
| **LFP ESS CABINET PACKAGE**<br>#LFPCAB4X4UPKG | Includes a complete cabinet components & assembly hardware for the installation of four (4) x 4U rack-mount batteries [S48-100LFP ESS]<br><br>Includes: all cabinet components & assembly hardware, 1m & 2m RJ45 comm cables, 1m 8awg +/- parallel cabling for 4 batteries, 2 x combiner boxes, RS485 to USB Adapter. Assembly is required. |
| ADDITIONAL COMPONENTS: | |
| LFP ESS CABINET 4U SEGMENT<br>#LFPCAB-4USEG | Additional segments allow the Installation of additional 4U rack-mount batteries [S48-100LFP ESS] in the Rolls LFP ESS Cabinet Package.<br><br>Note: up to four (4) additional 4U rack-mount batteries [S48-100LFP ESS] may be added. Maximum eight (8) batteries per cabinet.<br><br>Includes: 4 x 4U columns, 2 x side panels, magnetic front panel, magnetic rear panel, and assembly hardware. Assembly is required. |



## Modular Design

Rolls LFP ESS 4x4U Cabinet Package is a complete assembly for the installation of four (4) x 4U rack-mount batteries.
[4 x S48-100LFP ESS]

With additional 4U segments, the cabinet is expandable up to a maximum of eight (8) batteries for additional energy storage.
(up to 40kWh per cabinet)

**LFP ESS CABINET 4U SEGMENT**
#LFPCAB-4USEG

One (1) 4U segment required per additional battery.

*Rolls S48-100LFP ESS battery not included.

To view available models and full product specifications, including the full range of premium deep cycle Series 4000, 4500 & 5000 flooded lead-acid, sealed AGM & GEL, and LiFePO4 lithium batteries, visit www.rollsbattery.com

Rolls batteries are sold exclusively via authorized distributors & dealers worldwide.



### LFP ESS CABINET PACKAGE

- Complete cabinet assembly for the installation of four (4) x 4U battery [S48-100LFP ESS]
- Modular construction
- Integrated combiner boxes & cabling/ connection ports
- Expandable for installation of up to eight (8) 4U batteries*

* 4U Segment required per additional battery



### S48-100LFP ESS BATTERY

- 19” 4U rack-compatible case design
- 51.2V 100Ah nominal capacity
- Prismatic LiFePO4 cells
- Connect up to 16 in parallel
- Integrated screen & controls
- State-of-charge (SOC) indication
- CAN bus & RS-485 connectivity
- External breaker access & secondary BMS breaker
- PC Connectivity
- Optional Rolls LFP ESS Cabinet (shown)
- IEC62133 (cell), IEC62619(cell) UN38.3 (cell/pack)
- UL1642, UL1973*
- ROHS (cell), CE system certification, IP54

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