

BATTERY-BOX LV48100



- Scalable from 5.12 kWh to 32.8 kWh
- Maximum Flexibility for any Application with up to 64 Modules Connected in Parallel
- Compatible with Market Leading 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle and Power
- Capable of High-Powered Emergency-Backup and Off-Grid Function
- Patented Internal Plug Design Requires No Additional Wiring
- Self-Consumption Optimization for Residential and Commercial Applications

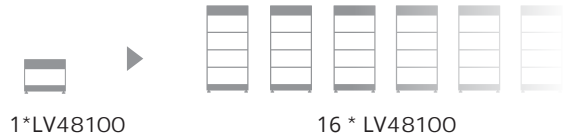


BATTERY-BOX LV48100

- 5.12 kWh Module
- Modular Design Simplifies Transport and Installation

Connect up to 16 Battery-Box LV48100 in parallel for a maximum size of 256 kWh. Ability to scale by adding LV48100 modules or parallel towers of 1 to 4 modules later.

The OKEPS Battery-Box LV48100 is a lithium iron phosphate (LFP) battery pack for use with an external inverter. A single Battery-Box LV48100 contains between 1 to 6 battery modules LV48100 stacked in parallel and can reach 5.12 to 30.72 kWh usable capacity in one tower:



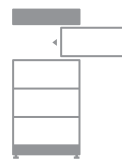
FLEXIBLE, EFFICIENT, SIMPLE



Beautiful and easy to install



5.12-81.92 kWh Tailored Sizing for Each Application



Extend Anytime Easily Adapts to New Requirements



High Power Power for Every Application



	1*LV48100	2*LV48100	3*LV48100	4*LV48100	5*LV48100	6*LV48100
Battery Module	LV4 8 1 0 0 (5.1 2 kWh, 51.2 V, 49 kg)					
Number of Modules	1	2	3	4	5	6
Usable Energy [1]	5.1 2 kWh	10.2 4 kWh	15.3 6 kWh	20.4 8 kWh	25.6 kWh	30.7 2 kWh
Max Cont. Output Current [2]	65 A	130 A	195 A	250 A	250 A	250 A
Peak Output Current [2]	90 A, 5 s	180 A, 5 s	270 A, 5 s	360 A, 5 s	360 A, 5 s	360 A, 5 s
Dimensions (H/W/D)	230 x 580 x 360 mm	430 x 580 x 360mm	630 x 580 x 360mm	830x 580 x 360mm	1030 x 580 x 360mm	1230 x 580 x 360mm
Weight	4.9 kg	9.8 kg	14.7 kg	19.6 kg	24.5 kg	29.4 kg
Nominal Voltage	51.2 V					
Operating Voltage	40-57.6 V					
Operating Temperature	-10 °C to +50°C					
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)					
Communication	CAN / RS485					
Enclosure Protection Rating	IP55					
Round-Trip Efficiency	≥95%					
Scalability [3]	Max. 64 Modules in Parallel (256 kWh)				Single Tower Only	
Certification	VDE2510-50 / IEC62619 / CE / CEC / UN38.3					
Applications	ON Grid / ON Grid + Backup / OFF Grid					
Warranty [4]	10 Years					
Compatible Inverters	Refer to OKEPS Battery-Box LV4 8 1 0 0 Minimum Configuration List					

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at +25 °C. System Usable Energy may vary with different inverter brands

[2] Charge derating will occur between -10 °C and +5 °C

[3] Parallel tower function only available for 1 to 4 battery modules per tower. LVS 20.0 and LVS 24.0 can only be used as a single tower.

[4] Conditions apply. Refer to OKEPS Battery-Box LV4 8 1 0 0 Limited Warranty Letter.