

HV400VS / HV 48100



- Capable of High-Powered Emergency-Backup and Off-Grid Functionality
- Highest Efficiency Thanks to a Real High-Voltage Series Connection
- Free hand installation, plug design without internal wiring
Maximize flexibility and ease of use.
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Compatible with Leading 1 and 3 Phase High Voltage Battery Inverters
- Two Distinct Modules to Cover the Complete Range of System Sizes
- Highest Safety Standards



BRIEF INTRODUCTION

HV400VS : High voltage / 400V / System.

- Capable of High-Powered Emergency-Backup and Off-Grid Functionality
- Highest Efficiency Thanks to a Real High-Voltage Series Connection
- It is easy to operate with the plug-in installation method.
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Life Cycle, and Power
- Compatible with Leading High Voltage Battery Inverters
- Highest Safety Standards

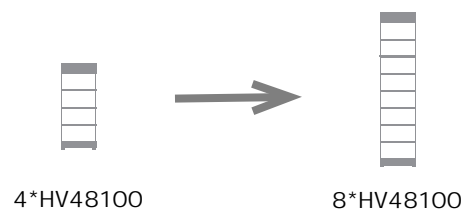
Note: The HV400VS high voltage battery box consists of a high voltage electronic control system and multiple HV48100 battery modules.

HV48100 STACKABLE BATTERY BOX

HV48100: High Voltage / 48V / 100AH. HV400VS is a high-voltage battery module electronic control system with the highest DC voltage of 700V.

(Warning: the high-voltage battery modules (HV 48100) depends on the PCS or inverter.) A battery box is composed of 2-7 HV48100 battery modules, connected in series, with an available capacity of 10.24 to 35.84kwh. It can be expanded by adding the HV48100 module later.

(This is a combination scheme based on the model of OKEPS HV SERIES inverter.)



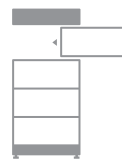
FLEXIBLE, EFFICIENT, SIMPLE



Stacked
Beautiful and easy
to install



20.48 - 40.96 kWh
Tailored Sizing for Each
Application

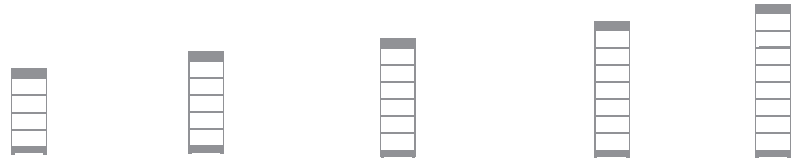


Extend Anytime
Easily Adapts to New
Requirements



High Power
Power for Every
Application

Technical Data



HV 4 8 1 0 0 Stackable Series					
Battery Module	PACK (5.12KWH/51.2V/100AH) 108 lb/49KG				
Number of Modules	4 Packs	5 Packs	6 Packs	7 Packs	8 Packs
Usable Energy[1]	20.48KWH	256KWH	30.72KWH	35.84KWH	40.96KWH
Max Output Current[2]	50A	50A	50A	50A	50A
Peak Output Current[2]	75A.3S	75A.3S	75A.3S	75A.3S	75A.3S
Nominal Voltage	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage	160V-230V	200V-288V	240V-345V	280V-403V	320V-460V
Dimensions(H/W/D) MM	925*580*360	1113*580*360	1300*580*360	1489*580*360	1677*580*360
Weight	468 lb/212KG	576 lb/261KG	684 lb/310KG	792 lb/359KG	900 lb/409KG
Operating Temperaturue	14°F to 122°F				
Battery Cell Technology	Lithium Iron Phosphate(cobalt-free)				
Communication	CAN/RS485				
Enclosure Protection Rating	IP55				
Round-trip Efficiency	≥96%				
Certification	UL1973/IEC660730/FCC/UN38.3				
Applications	ON Grid / ON Grid ■ Backup /OFF Grid				
Warranty[3]	10Years				
Compatible Inverters	OKEPS HV48100				

[1] DC Usable Energy, Test conditions: 100% DOD, 0.2C charge & discharge at 77°F. System Usable Energy may vary with different inverter brands.

[2] Charge derating will occur between 14 °F and 41°F.

[3] Condition apply. Refer to OKEPS HV48100 Stackable Battery Box Limited Warranty.