



STACKABLE TYPE LIFEPO4 BATTERY

96-384Vdc Series



FEATURES :

- ◆ Larger capacity supply equipment cabinet.
- ◆ They live for more than 10 years at +25°C.
- ◆ No active cooling system is required.
- ◆ Built-in BMU module, Optimal management.
- ◆ Long charge and discharge cycle life.
- ◆ In line with the RoHS.

APPLICATION :

- ◆ Oil and electricity hybrid energy storage system.
- ◆ Smartgrid, micro-grid system.
- ◆ Grid frequency adjustment energy storage system.
- ◆ Other energy Storage System.
- ◆ New energy communication base station, Core computer room, IDC UPS.
- ◆ Mobile container storage system.
- ◆ New energy generation (solar, wind, PV/wind hybrid) access to energy storage system.
- ◆ Load tracking energy storage system.
- ◆ Peak load shifting energy storage system.

Technical Data

Model	HVS384-27
Batteries materials	Lithium iron phosphate
Series parallel mode (S series, P parallel)	120S1P
Nominal voltage	384V (Single module 96V)
Nominal capacity	27Ah
Size(mm)	520×230×1060
Weight	<100kg
Color	Optional
Parallel support	Parallel terminals are supported
Output port mode	Terminal
Charging way	CC/CPVP
Charging current	0.5C(standard)
Maximum charging current	1C @25C
Charge cut-off voltage	438Vdc
Discharge way	CC/CPVP
Discharge current	0.5C(standard)
Maximum discharge current	1C @25C
Discharge cut-off voltage	336Vdc
Indicator	LED
Communication interface	RS485/RS232/CAN
Charging operating temperature	Charging:0~+50°C
Discharge operating temperature	Discharge:-20~+55°C

BMU-SMART BATTERY MANAGEMENT SYSTEM :

For battery group and single series cells, it provides hardware and software protection functions such as over-voltage, under-voltage, charge-discharge over-current, high-low temperature and short circuit, etc. The system terminal receives SOC and SOH information through: RS485-A and RS485-B interfaces. It can calculate the present battery capacity by real-time monitoring voltage and current; makes relevant control and protection actions by monitoring various protection states; and has it elicent cell equalization function to improve the battery pack's effective use time and cycle life