

LFPWall-5000/10K-V2



Power Wall

51.2V/102Ah/5.22kWh

51.2V/204Ah/10.44kWh



Expansion Flexibility

Modular design, support 1-8 battery in parallel.



Easy Installation

Wall mounted or floor mounted, saving installation time and cost.



Safe & Reliable

Lithium Iron Phosphate(LFP) cell only. BMS fuse are built in.



Environment Adaptability

Wider temperature range: -10°C ~ 55°C. IP65 protection class.



Perfect Compatibility

Compatible to most low voltage inverters in the market.



Long Lifespan

15-20 years designed lifespan, more than 6000 cycles (0.5C, 25°C)

	LFPWall-5000	LFPWall-10K-V2
Nominal capacity	5.22kWh	10.44kWh
Voltage	51.2V	
Charge voltage	57.6V	
Discharge voltage range	45-57V	43.2-57.6V
Max. charging current	40A	90A
Battery type	LiFePO4	
Max. discharging current	75A	140A
Max.output power	3840W	7168W
DOD	90%	
Modules connection	1-8 in parallel	
Communication	CAN.RS485	
Cycle life	≥6000@25°C, 0.5C	
Storage temperature	-25°C ~ +35°C	
Working temp range	Charge: 0°C ~ +55°C	
	Discharge: -10°C ~ +55°C	
Net weight	48.5kg/106 lb	96kg/211 lb
Gross weight	52.5kg/115 lb	125kg/275 lb
Product dimension (W*H*D)	536.3*464*180.5mm	586*790*197mm
Package dimension (W*H*D)	592*522*252mm	720*950*390mm

Ground HV-2500

High Voltage Stackable Energy Storage Battery
48V 52Ah 2.5kWh/Pack

7.5kWh

10kWh

12.5kWh

15kWh

17.5kWh

20kWh



Expansion Flexibility

2.5kWh modular design
scalable from 7.5kWh to 20kWh.



Easy Installation

24kg/52.9lb per battery box, easy to
move and install. Quick connector
between boxes, no cable connecting.



Safe & Reliable

Lithium Iron Phosphate(LFP) cell only.
BMS fuse and aerosol kit are built in.



Environment Adaptability

Wider temperature range: -20°C ~
55°C. IP65 protection class.



Perfect Compatibility

Compatible to most high voltage
inverters in the market.

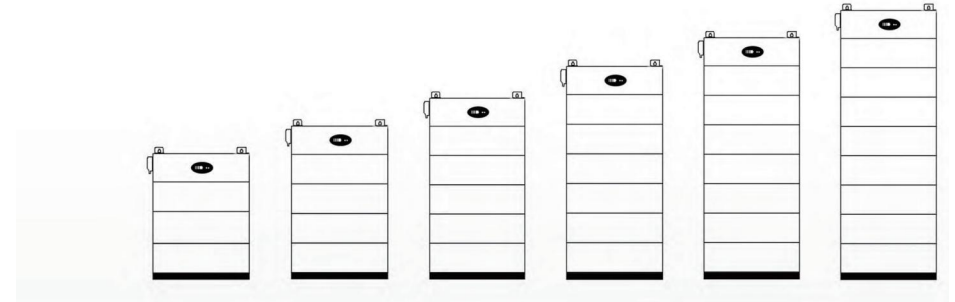


More Usable Energy

90% Depth of Discharge, more than
6000 cycles (0.5C, 25°C)

Ground HV-2500

Capacity	52Ah
Max. Discharge/Charge Current	35A
Battery Type	LiFePO4
Installation	Ground-mounted
Each pack	23.5kg/220*580*170mm
PDU+Base	14kg/220*606*220mm
Wi-Fi Module	Optional
Cycle Life	>6000. @25°C, 0.5C, 90%DOD
Transportation SOC	30%
Protection Level	IP65
Working Temperature	0°C ~ 55°C
Storage Temperature	-20°C ~ 35°C
Discharge	-20°C ~ +55°C



Model	GroundHV-7.5K	GroundHV-10K	GroundHV-12.5K	GroundHV-15K	GroundHV-17.5K	GroundHV-20K
Nominal Voltage	144V	192V	240V	288V	336V	384V
Connection	1P45S	1P60S	1P75S	1P90s	1P105S	1P120S
Voltage Working Range	114.7V-159.7V	153V-213V	191.2V-266.2V	230V-319V	267.7V-372.7V	306V-426V
Nominal Capacity	7.488kWh	9.984kWh	12.48kWh	14.976kWh	17.472kWh	19.968kWh
weight	~80kg/176lb	~105kg/231lb	~129kg/284lb	~152.3kg/335lb	~176.2kg/388lb	~199.5kg/438lb
Dimension(W*H*D)	606*730*220mm	606*900*220mm	606*1070*220mm	606*1240*220mm	606*1410*220mm	606*1580*220mm

Three phase hybrid inverter

3-20kW



WIDE RANGE
Voltage Range
(150-800V)



100% UNBALANCE
Support Unbalance Load

Max. 1.5

PV OVERSIZE
1.5 Times PV Oversize

Max. 40A

MAX. 40Adc
String Current Up To 40A

<10 ms

UPS FUNCTION
Switch Time < 10ms



SODIUM METAL CHLORIDE BATTERY
Support
Sodium metal chloride battery



INPUT
Support Generator

Support for Time-of-use Optimization

Configurable Operation Modes

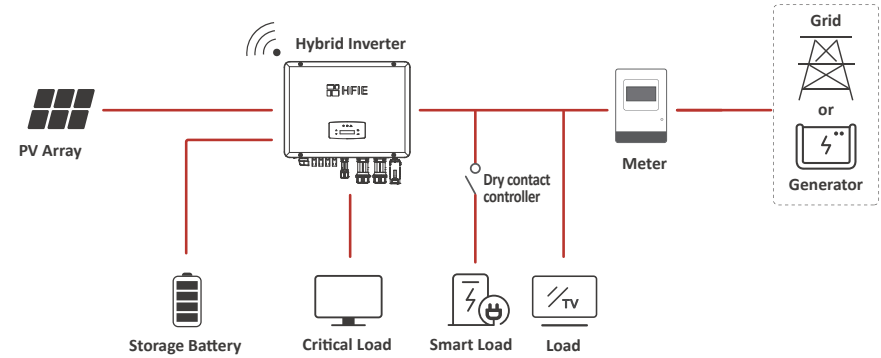
Arc Fault Circuit Interrupter (AFCI)

Build in Anti-feed-in Function

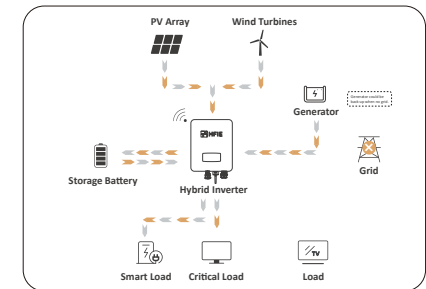
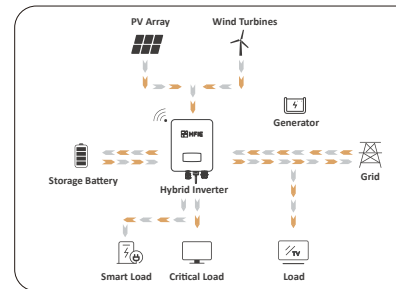
Compact Size and Easy Installation

Smart Monitoring & Remote Firmware Upgrade

For New Storage System:

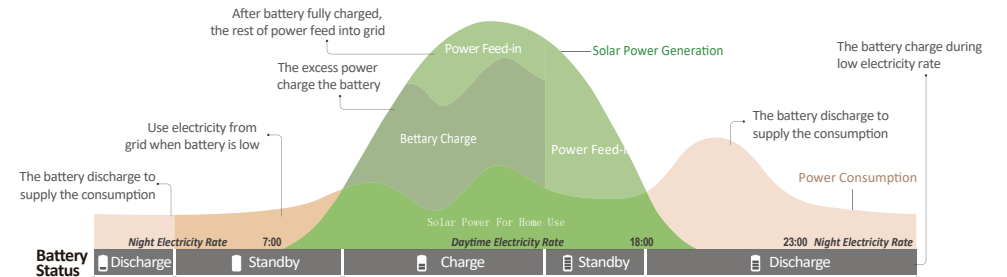


Optimizing Self-Consumption (on-grid) + Emergency Power Supply (off-grid)



Optimizing Self-Consumption Mode

With energy storage system installed, users may also be able to change from a flat rate electricity tariff to a time-of-use tariff. For the areas and regions, where peak shaving can be applied.



PV Input	HF3K-T	HF4K-T	HF5K-T	HF6K-T	HF8K-T
Max. DC Input Power (kW)	5	6	7.5	9	12
Rated DC Input Voltage (V)	620				
DC Input Voltage Range (V)	150-1000				
MPPT Voltage Range (V)	150-850				
Start-up Voltage (V)	160				
Max. DC Input Current (A)	20x2				
No. of MPPT Tracker	2				
Battery Port					
Battery Nominal Voltage (V)	200	200	200	250	300
Battery Voltage Range (V)	150-800				
Max. Charge/Discharge Current (A)	30				
Max. Charge/Discharge Power (kW)	3.3k/3k	4.4k/4k	5.5k/5k	6.6k/6k	8.8k/8k
Charging Curve	3 Stages				
Compatible Battery Type	Li-ion/Lead-acid				
AC Grid Output					
Nominal AC Output Power (kW)	3000	4000	5000	6000	8000
Max. AC Input/Output Power (kVA)	4500	6000	7500	9000	12000
Max. AC Output Current (A)	5.3	7	8.5	10.5	13.5
Nominal AC Voltage (V)	230/400				
Nominal AC Frequency (Hz)	50/60				
Power Factor	1 (-0.8 ~ +0.8)				
Current THD (%)	< 3%				
AC Load Output (Back-up)	HF3K-T	HF4K-T	HF5K-T	HF6K-T	HF8K-T
Nominal Output Power (VA)	3000	4000	5000	6000	8000
Nominal Output Voltage (V)	230/400				
Nominal Output Frequency (Hz)	50/60				
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6
Peak Output Power	3000VA, 60S	4400VA, 60S	5500VA, 60S	6600VA, 60S	8800VA, 60S
THDV (with linear load)	< 3%				
Switching Time (ms)	< 0.015				
Efficiency	HF3K-T	HF4K-T	HF5K-T	HF6K-T	HF8K-T
Europe Efficiency	97.5%				
Max. Efficiency	98.0%			98.2%	
Battery Charge/Discharge Efficiency	98%				
Protection					
Reverse Polarity Protection	Yes				
Over Current / Voltage Protection	Yes				
Anti-islanding Protection	Yes				
AC Short-circuit Protection	Yes				
Leakage Current Detection	Yes				
Ground Fault Monitoring	Yes				
Grid Monitoring	Yes				
Enclosure Protect Level	IP65/NEMA4X	IP65/NEMA5X	IP65/NEMA6X	IP65/NEMA7X	IP65/NEMA8X
General Data	HF3K-T	HF4K-T	HF5K-T	HF6K-T	HF8K-T
Dimensions (W x H x D, mm)	558 x 426 x 250 mm				
Weight (kg)	28.5kg				
Topology	Transformerless				
Cooling Concept	Natural Convection			Intelligent Fan	
Relatively Humidity	0-100%				
Operating Temperature Range (°C)	-25 to 60 °C				
Operating Altitude (m)	< 4000				
Noise Emission (dB)	< 30				
Standby Consumption (W)	< 5				
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G				
Certification & Approvals	NRS97, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2				
EMC	EN61000-6-2, EN6100-6-3				

PV Input	HF10K-T	HF12K-T	HF15K-T	HF17K-T	HF20K-T
Max. DC Input Power (kW)	15	18	22.5	25.5	30
Rated DC Input Voltage (V)	620				
DC Input Voltage Range (V)	150-1000				
MPPT Voltage Range (V)	150-850				
Start-up Voltage (V)	160				
Max. DC Input Current (A)	20x2		20 + 32		32 x 2
No. of MPPT Tracker	2				
Battery Port					
Battery Nominal Voltage (V)	400	450	500	600	700
Battery Voltage Range (V)	150-800				
Max. Charge/Discharge Current (A)	30				
Max. Charge/Discharge Power (kW)	11k/10k	13.2k/12k	16.5k/15k	18.7k/17k	22k/20k
Charging Curve	3 Stages				
Compatible Battery Type	Li-ion/Lead-acid				
AC Grid Output					
Nominal AC Output Power (kW)	10000	12000	15000	17000	20000
Max. AC Input/Output Power (kVA)	15000	18000	22500	25500	30000
Max. AC Output Current (A)	17	21.5	27	30	32
Nominal AC Voltage (V)	230/400				
Nominal AC Frequency (Hz)	50/60				
Power Factor	1 (-0.8 ~ +0.8)				
Current THD (%)	< 3%				
AC Load Output (Back-up)	HF10K-T	HF12K-T	HF15K-T	HF17K-T	HF20K-T
Nominal Output Power (VA)	10000	12000	15000	17000	20000
Nominal Output Voltage (V)	230/400				
Nominal Output Frequency (Hz)	50/60				
Nominal Output Current (A)	14.5	17.4	21.8	24.8	29
Peak Output Power	11000VA, 60S	13200VA, 60S	16500VA, 60S	18700VA, 60S	22000VA, 60S
THDV (with linear load)	< 3%				
Switching Time (ms)	< 0.015				
Efficiency	HF10K-T	HF12K-T	HF15K-T	HF17K-T	HF20K-T
Europe Efficiency	97.5%				
Max. Efficiency	98.2%	98.3%			
Battery Charge/Discharge Efficiency	98%				
Protection					
Reverse Polarity Protection	Yes				
Over Current / Voltage Protection	Yes				
Anti-islanding Protection	Yes				
AC Short-circuit Protection	Yes				
Leakage Current Detection	Yes				
Ground Fault Monitoring	Yes				
Grid Monitoring	Yes				
Enclosure Protect Level	IP65/NEMA9X	IP65/NEMA10X	IP65/NEMA11X	IP65/NEMA12X	IP65/NEMA13X
General Data	HF10K-T	HF12K-T	HF15K-T	HF17K-T	HF20K-T
Dimensions (W x H x D, mm)	558 x 426 x 250 mm				
Weight (kg)	28.5kg				
Topology	Transformerless				
Cooling Concept	Intelligent Fan				
Relatively Humidity	0-100%				
Operating Temperature Range (°C)	-25 to 60 °C				
Operating Altitude (m)	< 4000				
Noise Emission (dB)	< 30		< 40		
Standby Consumption (W)	< 5				
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G				
Certification & Approvals	NRS97, G98/G99, EN50549-1, C10/C11, AS 4777, VDE-AR-N4105, VDE0126, IEC62040, IEC62109-1, IEC62109-2				
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