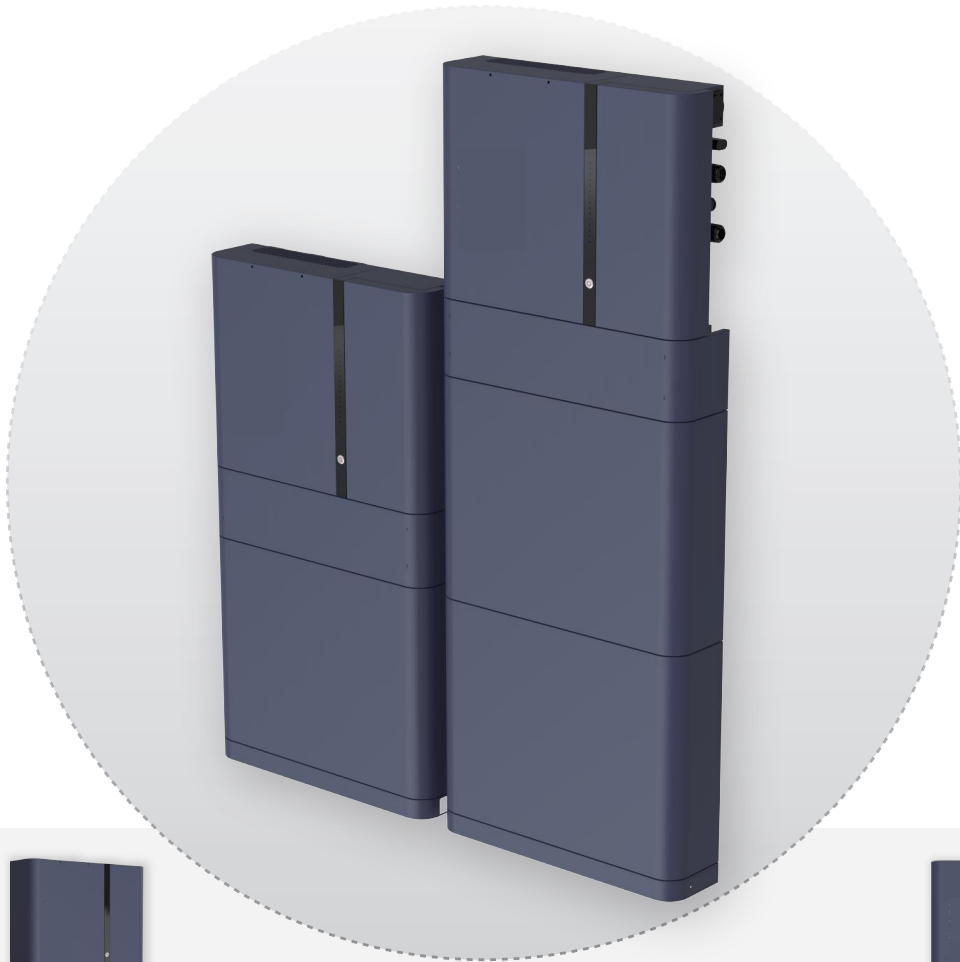




High voltage All in One HV-ESS10-3P



Plug & Play

Plug & Play stackable design, 10 minutes fast commissioning



Active Safety

AFCI active arcing protection



Efficiency

Up to 98.4%
European 97.9%



More Options

2*8.64kWh
battery module + Optional
battery stack

Product features

Model NO.	HV-ESS10-8HVS1	HV-ESS10-8HVS2
PV Specifications		
Max. PV input power	15000W	
Nominal DC voltage/ Voc	600Voc	
Start-up/ Min. operation voltage	250Vdc/ 200Vdc	
MPPT voltage range	200-950Vdc	
No. of MPPTs/ Strings	1/2	
Max. PV input/ Short circuit current	48A (16A/32A)	
Input/ Output (AC)		
Max. AC input power from grid	20600VA	
Rated AC output power	10000W	
Max. AC output apparent power	11000VA	
Rated/ Max. AC output current	15.2A/16.7A	
Rated AC voltage	3/N/PE 220V/380V 230V/400V 240V/415V	
AC voltage range	270-480V	
Rated grid frequency	50Hz/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
Harmonic (THD) (of rated power)	<3%	
Power factor at Rated power	>0.99	
Adjustable power factor	0.8 leading to 0.8 lagging	
AC type	Three phase	
Battery Data		
Rate voltage(Vdc)	172.8	345.6
Cell combination	54S1P*1	54S1P*2
Rate capacity(AH)	50	
Energy storage(KWH)	8.64	17.28
Cycle life	6000 cycles @80% DOD, 0.5C	
Charge voltage	189	378
Max. charge/discharge current(A)	30	
Discharge cut-off voltage(VDC)	135	270
Charge cut-off voltage(VDC)	197.1	394.2
Environment		
Charge temperature	0°C to 50°C@60±25% Relative Humidity	
Discharge temperature	-20°C to 50°C@60±25% Relative Humidity	
Storage temperature	-20°C to 50°C@60±25% Relative Humidity	
Mechanical		
IP class	IP65	
Material system	LiFePO4	
Case material	Metal	
Case type	All in One Stack	
Dimension L*W*H(mm)	Inverter high-voltage box: 770*205*777 / Battery box:770*188*615(single)	
Package dimension L*W*H(mm)	Inverter high-voltage box: 865*290*870 Battery box:865*285*678(single) Accessory box:865*285*225	Inverter high-voltage box: 865*290*870 Battery box:865*285*678(single)*2 Accessory box:865*285*225
Net weight(kg)	Inverter high-voltage box: 65kg Battery box: 88kg Accessory box: 9kg	Inverter high-voltage box: 65kg Battery box: 88kg*2 Accessory box: 9kg
Gross weight(kg)	Inverter high-voltage box: 67kg / Battery box: 90kg / Accessory box: 11kg	
Communication		
Protocol(Optional)	RS485/RS232/WLAN Optional	
Certificates		
System	UN38.3,MSDS,EN,IEC,NRS,G99	
Cell	UN38.3,MSDS,IEC62619,CE,UL1973,UL2054	