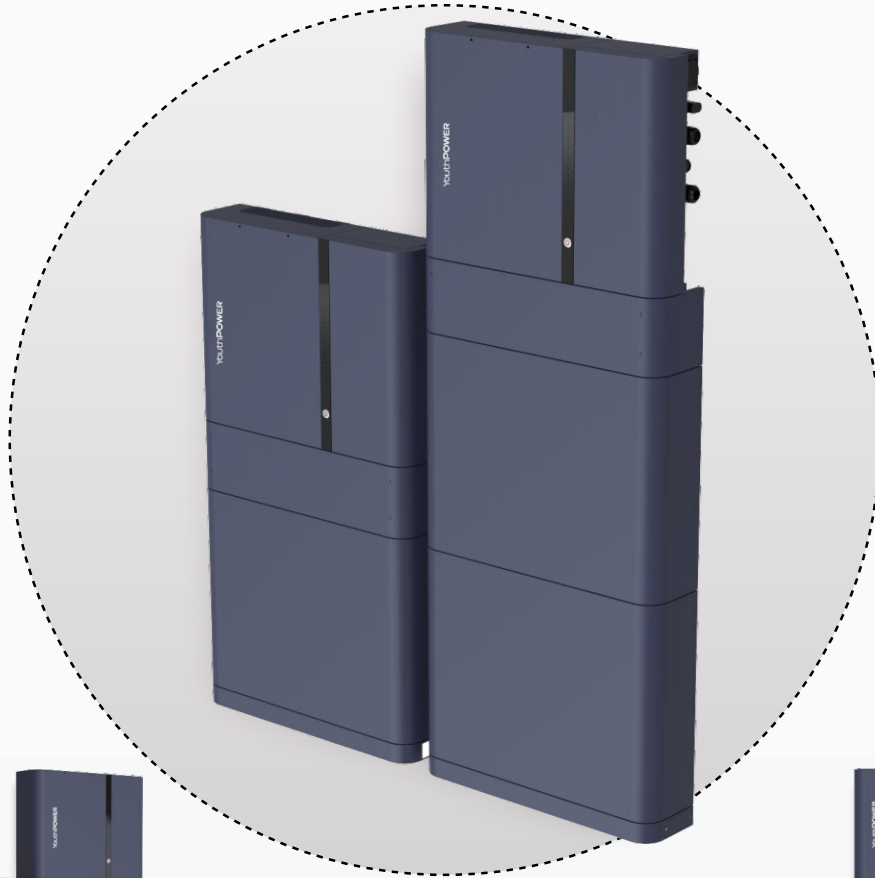


YP-ESS10-8HVS1/2



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

| MODEL | YP-ESS10-8HVS1 | YP-ESS10-8HVS2 |
|--------------------------------------|--|--|
| PV Specifications | | |
| Max. PV input power | 15000W | |
| Nominal DC voltage/ Voc | 180Voc | |
| Start-up/ Min. operation voltage | 250Vdc/ 200Vdc | |
| MPPT voltage range | 150-950Vdc | |
| 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 | |