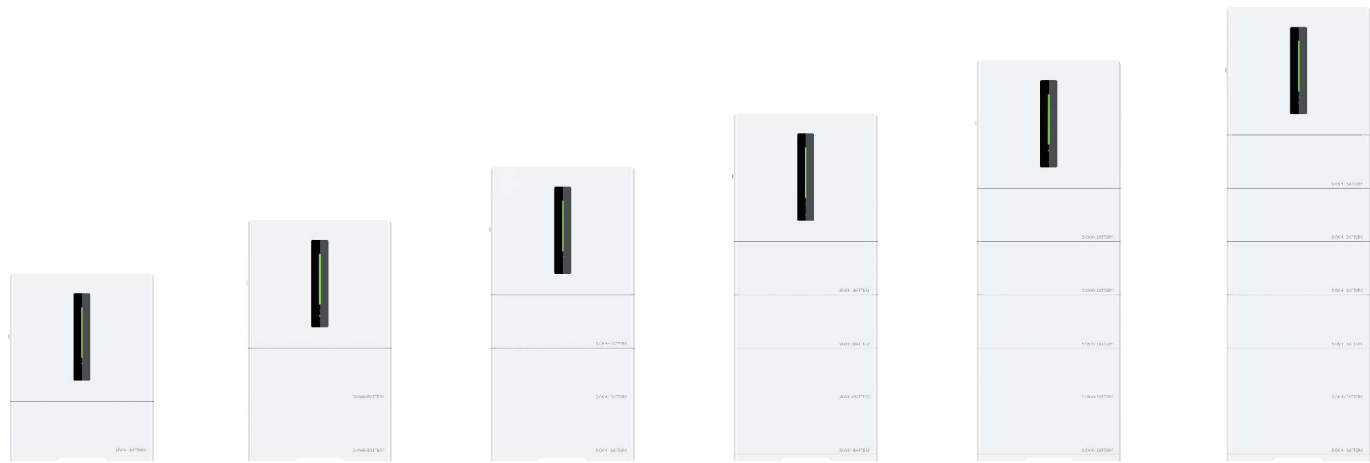


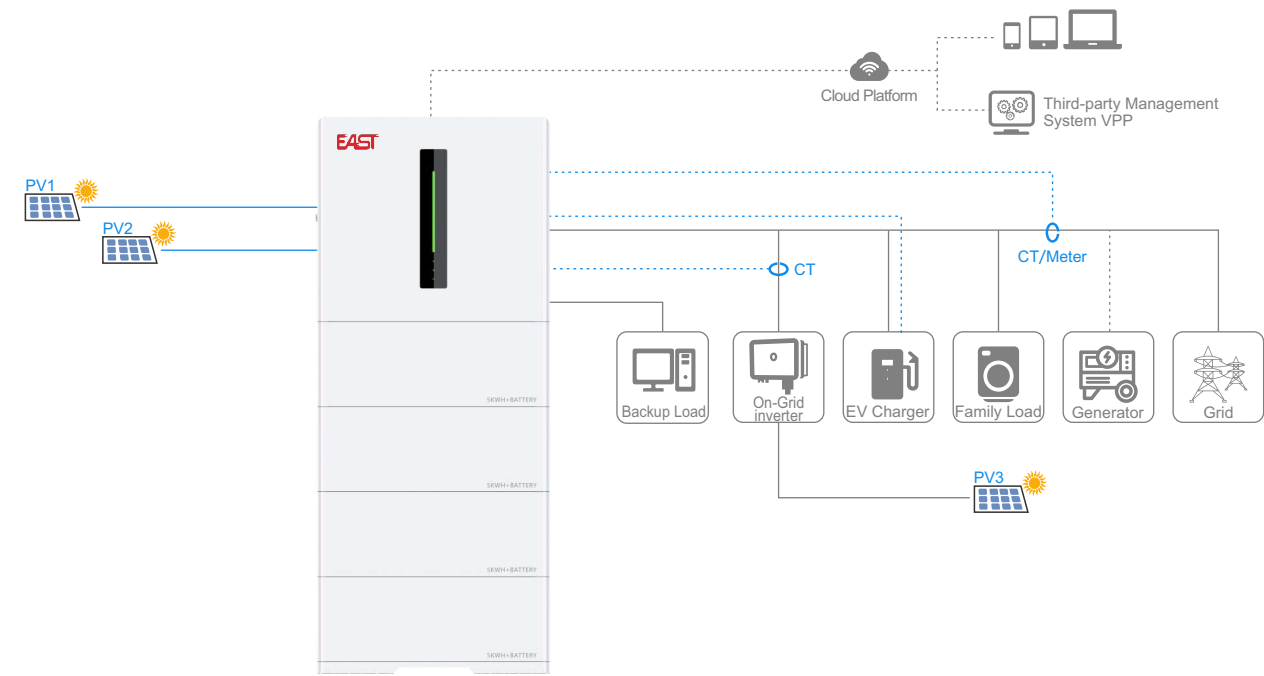
Residential Hybrid Inverter EAHI-6000-SL-S

Single phase | All-in-one | 105Ah Cell



- Integrated streamlined case design with elegant appearance
- Flexible expansion of battery capacity
- Stacking design for easy installation
- Seamless switching of emergency mode to ensure that loads do not power down
- IP66 stainless steel enclosure, waterproof and dustproof
- Module plug-and-play, automatic recognition
- Security and stability, 24-hour intelligent monitoring
- Flexible setting of multiple working modes according to preferences

Typical application



Hybrid inverter specification

MODEL	EAHI-6000-SL-S
PV input parameter	
Max. input power	8000W
Max. input voltage	550Vdc
Starting voltage	150Vdc
Max. input current	16/16A
Short circuit current	24/24A
Number of input strings per MPPT	1/1
AC input/output parameters(grid side)	
Input voltage range	184~276Vac
Input frequency range	50±5Hz/60±5Hz
Max. input current	40A
Rated output power	6000W
Max. apparent output power	6000VA
Grid system mode	1/N/PE
Rated output voltage	220Vac/230Vac
Rated output frequency	50Hz/60Hz
Rated output current	27.3A/26.1A
Power factor	>0.99(0.8 lead~0.8 lag)
AC output parameters(back-up side)	
Rated output power	6000VA/6000W
Grid system mode	1/N/PE
Rated output voltage	230Vac(208/220/240Vac settable)
Rated output frequency	50Hz/60Hz
Rated output current	27.3A/26.1A
Voltage harmonic	≤3%(linear load)
Switching time	≤10ms
Efficiency	
Maximum efficiency	97.8%
MPPT efficiency	99.9%
Protection	
Comprehensive	Grid over-voltage protection, grid over-frequency protection, grid overload protection, over-temperature protection, anti-islanding protection, insulation resistance detection, residual current monitoring unit, output over-current protection, output short-circuit protection, surge protection
Surge protection	DC Type II/AC Type III
Inverter standard	
LVD	IEC/EN 62109-1/-2, AS62109
EMC	EN 61000-6-1/-2/-3/-4
Grid-tied	CEI 0-21, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, NRS097-2-1, EN 50549-1, G99/1-9:2022, ETSI EN303645+PST1, C10/11:2021, XP C 15-712-3:2019, ELOT EN 50549-1:2019, PEA
Inverter other parameters	
Dimensions(W×H×D)(mm)	600×530×305
Weight(kg)	36.4

Battery specification

MODEL	5KWH
Cell technology	LiFePO4
Battery voltage	51.2Vdc
Max. expandable number	6
Energy capacity	5.12kWh
Cell type	105Ah
Scalable capacity range	5.12kWh~30.72kWh
DOD	Max. 100% DOD(settable)
Max. charging power	3.84KW@1 module, 5.7kW@>1 module
Max. discharging power	5.02KW@1 module, 6kW@>1 module
Max. charging current	75A@1 module, 100A@>1 module
Max. discharge current	98A@1 module, 120A@>1 module
Communication interface	485 and CAN
Certification	IEC 62619, IEC 60730, UN 38.3, IEC 62040-1, ROHS2.0, VDE 2510-50
Dimensions(W×H×D)(mm)	600×220×305
Weight(kg)	50
Base parameters	
Dimensions(W×H×D)(mm)	600×30×305
Weight(kg)	6