

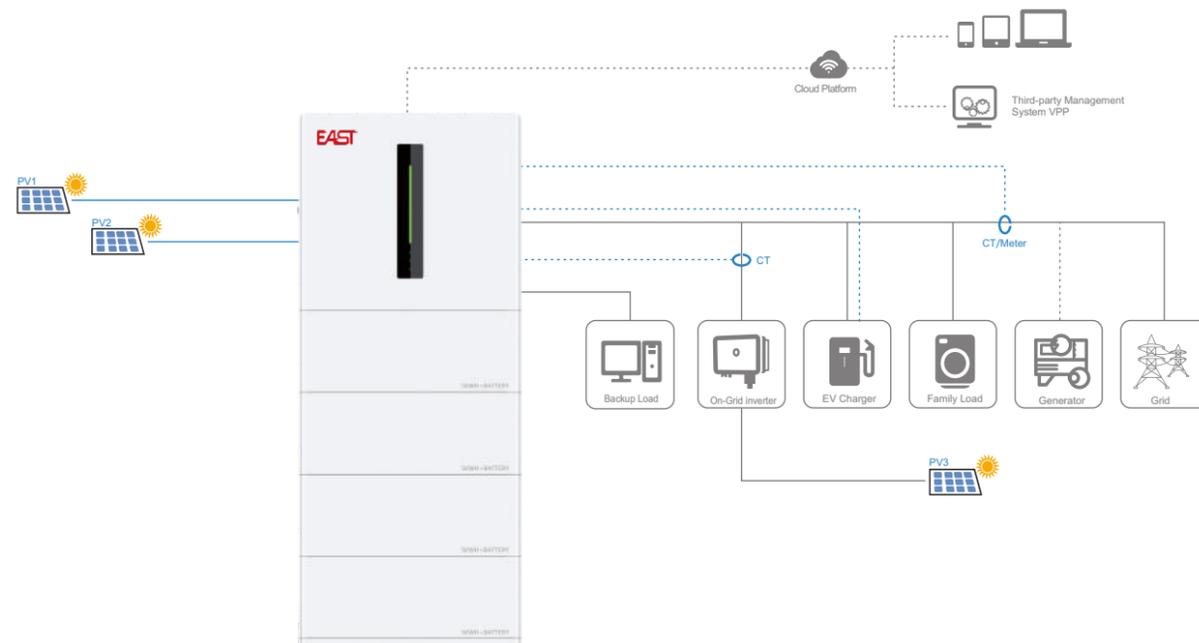
Single-Phase Home Energy Storage System

All in one



- 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	EAH1-6000-SL-S
PV input parameter	
PV maximum input power	8000W
PV maximum input voltage	550Vdc
Starting voltage	150Vdc
PV maximum input current	16/16A
Short circuit current	24/24A
Number of input strings per MPPT	1+1
AC input/output parameter(grid side)	
Input voltage range	184~276Vac
Input frequency range	50±5Hz/60±5Hz
Maximum input current	40A
Rated output power	6000W
Maximum apparent output power	6000VA
Grid system mode	1/N/PE
Rated output voltage&frequency	220Vac/230Vac&50Hz/60Hz
Rated output current	27.3A/26.1A
Power factor	>0.99(0.8 lead~0.8 lag)
AC output parameter(back-up side)	
Rated output power	6000VA/6000W
Grid system mode	1/N/PE
Rated output voltage&frequency	230Vac(208/220/240Vac settable)&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 50549-1G99/1-9:2022, ETSI EN303645+PST1, C10/11:2021, XP C 15-712-3:2019, ELOT EN 50549-1:2019, PEA
Inverter other parameter	
Dimensions(WxHxD)	600×530×305mm
Weight	36.4kg

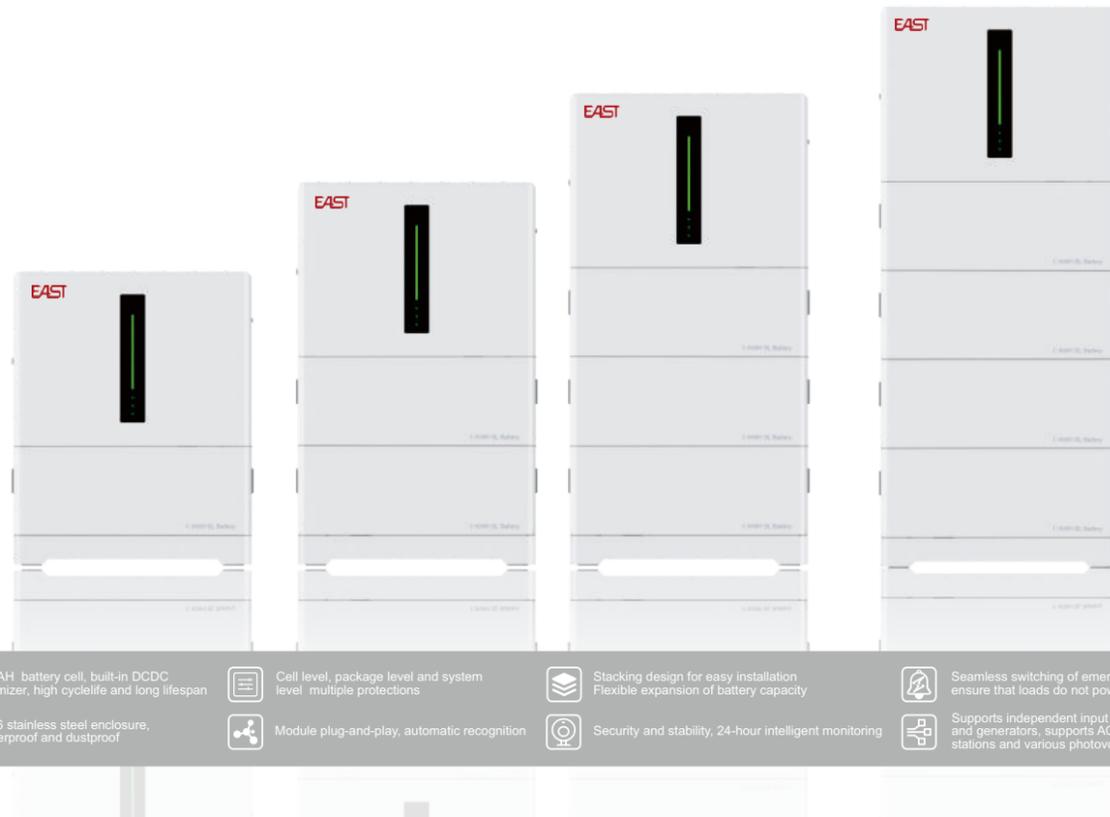
Battery specification

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

NEW
314cell

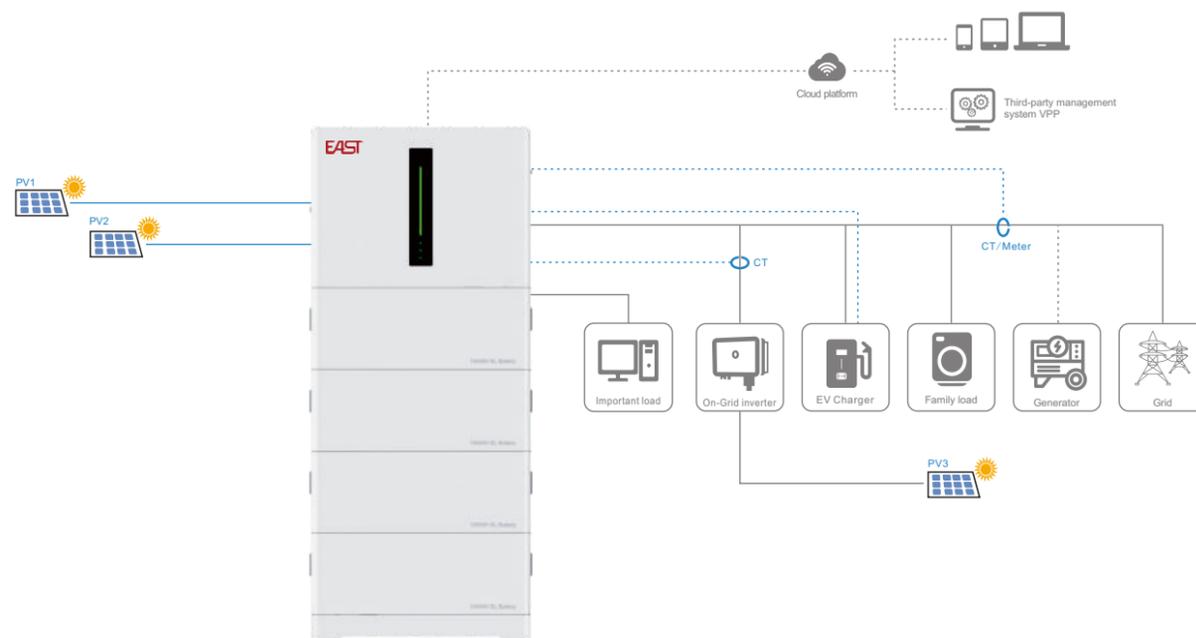
Single-Phase Home Energy Storage System

All in one



- 314AH battery cell, built-in DCDC optimizer, high cyclelife and long lifespan
- Cell level, package level and system level multiple protections
- Stacking design for easy installation
Flexible expansion of battery capacity
- 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
- Supports independent input of photovoltaic inverters and generators, supports AC coupling of charging stations and various photovoltaic storage systems

Typical application



Hybrid inverter specification

Model	EAH16KSL-S
PV input parameter	
PV maximum input power	8000W
PV maximum input voltage	550Vdc
Starting voltage	150Vdc
PV maximum input current	16/16A
Short circuit current	24/24A
Number of input strings per MPPT	1+1
AC input/output parameter(grid side)	
Input voltage range	184~276Vac
Input frequency range	50±5Hz/60±5Hz
Maximum input current	40A
Rated output power	6000W
Maximum apparent output power	6000VA
Grid system mode	1/N/PE
Rated output voltage&frequency	220Vac/230Vac&50Hz/60Hz
Rated output current	27.3A/26.1A
Power factor	>0.99(0.8 lead~0.8 lag)
AC output parameter(back-up side)	
Rated output power	6000VA/6000W
Grid system mode	1/N/PE
Rated output voltage&frequency	230Vac(208/220/240Vac settable)&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 50549-1G99/1-9:2022, ETSI EN303645+PSTI, C10/11:2021, XP C 15-712-3:2019, ELOT EN 50549-1:2019, PEA
Inverter other parameter	
Dimensions(WxHxD)	700×530×405mm
Weight	41.4kg

Battery specification

Model	EHB48314D10S1P
Cell technology	LiFePO4
Battery voltage	51.2Vdc
Maximum expandable number	4
Energy capacity	10kWh
Cell type	314Ah
Scalable capacity range	10kWh~40kWh
DOD	Max. 100% DOD(settable)
Maximum charging power	5kW@1module, 6kW@>1module
Maximum discharging power	5kW@1module, 6kW@>1module
Max. charging current	100A
Max. discharge current	105A@1module, 120A@>1module
Communication interface	485 and CAN
Dimensions(WxHxD)	700×250×405mm
Weight	83kg
Certification	IEC 62619, IEC 63056, UN 38.3
Base parameter	
Dimensions(WxHxD)	700×81.5×405mm
Weight	4.8kg

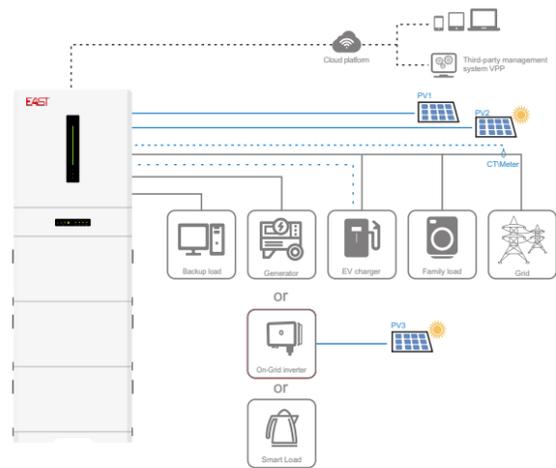
Three-Phase Home Energy Storage System

All in one

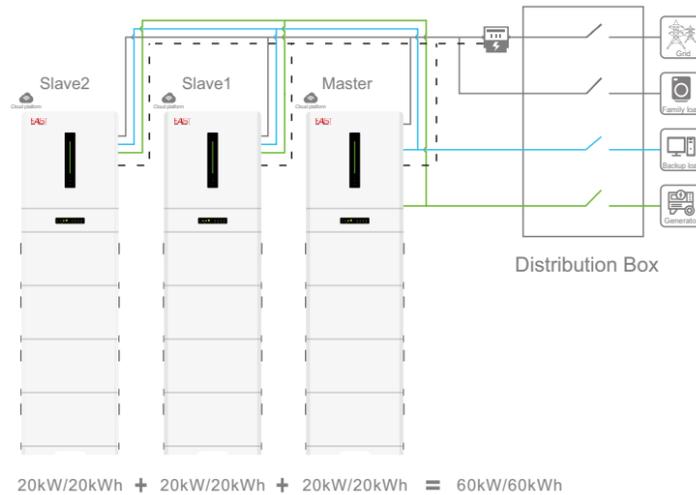


- Lithium iron phosphate battery, IP66 outdoor protection level, built-in fire protection module and DCDC optimizer
- Battery modular design, stacking plug-in installation, plug and play
- Single cluster supports 5-20KWH stacking expansion, and supports up to 3 clusters of 60KWH flexible expansion
- App real-time monitoring, support online remote OTA upgrade, easy operation and maintenance

Typical application



Parallel application



System composition



Hybrid inverter specification

Model	EAH10KTH-S	EAH15KTH-S	EAH20KTH-S
PV input parameter			
Max. input power	20kW	30kW	30kW
Max. input voltage		1000Vdc	
MPPT voltage range		160~950Vdc	
Max. input current per MPPT	16A/16A		16A/32A
Max. short circuit current per MPPT	24A/24A		24A/48A
Number of input strings per MPPT	1/1		1/2
Battery input parameter			
Battery type		Lithium battery	
Voltage range		650~980Vdc	
Max. charge/discharge current	15.4A/15.4A	23.1A/23.1A	30.8A/30.8A
AC input and output(grid)			
Max. apparent power of grid	15kVA	22.5kVA	30kVA
Max. input current	21.7A	32.6A	40A
Input voltage range		320~480Vac	
Input frequency range		50±5Hz/60±5Hz	
Rated output power	10kW	15kW	20kW
Power factor		>0.99(0.8 leading~0.8 lagging)	
THDI		≤3%(@rated power)	
Generator input			
Max. input power	10kW	15kW	20kW
Max. input current	15.2A	22.8A	30.4A
AC output parameter(back-up load)			
Rated output power	10kW	15kW	20kW
Rated output voltage		3/N/PE, 380Vac/400Vac	
Rated output frequency		50Hz/60Hz	
Rated output current		22.8A/21.7A	
THDV		≤3%(linear load)	
Switching time		≤10ms	
Efficiency			
Max. efficiency		98.2%	
MPPT efficiency		99.9%	
Others			
Surge protection		DC Type II/AC Type III	
Dimensions(WxHxD)(mm)		650x640x270mm	
Net weight(kg)		45	
Parallel operation		Supports 6 units in parallel connection	
Topology		Non-isolated	
IP rating		IP66	
Operating temperature		-25°C~+60°C	
Cooling mode	Natural cooling		Smart cooling
Altitude		3000m	
Noise level at 1m	≤25dB	≤45dB	≤50dB
Standards	NC RFG+PTPIREE, VDE 0126, EN50549-1/10, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, PPDS, CEI 0-21, IEC/EN 62109-1/-2, IEC62040-1, IEC62477, IEC62109-1/2, IEC 61000-6-1/-2/-3/-4		

Battery distribution box specification

Model	PDU-GU-Y/F
Maximum current	60A
Voltage range	550~1000Vdc
Dimensions(WxHxD)(mm)	650x150x270
Net weight(kg)	12
IP rating	IP66
Fixed base size(WxHxD)(mm)	650x80x270

Battery specification

Model	EHBS-P5-TH
Battery type	LiFePO4
Module capacity	5.12kWh
Rated voltage	750Vdc
Voltage range	600~1000Vdc
Max. charge/discharge current	3.4A/5.5A
Communication interfaces	CAN/RS485
Dimensions(WxHxD)(mm)	650x370x270
Net weight	59
Topology	High frequency isolation
IP rating	IP66
Operating temperature	-25°C~55°C
Cooling mode/Heating mode	Natural cooling/PTC heating
Altitude	3000m
Standards	IEC/EN 62619 2022, ISO 13849, IEC/EN 62040-1, IEC/EN 62477, IEC62109-1/2, IEC 61000-6-1, EN/IEC 61000-6-3, UN 38.3