
















Three Phase Home Energy Solution

-  Integrated streamlined case design with elegant appearance
-  IP66 stainless steel enclosure, waterproof and dustproof
-  Stacking design for easy installation
-  Module plug-and-play, automatic recognition

-  Flexible expansion of battery capacity
-  Flexible setting of multiple working modes according to preferences
-  Seamless switching of emergency mode to ensure that loads do not power down
-  Security and stability, 24-hour intelligent monitoring

HYBRID INVERTER

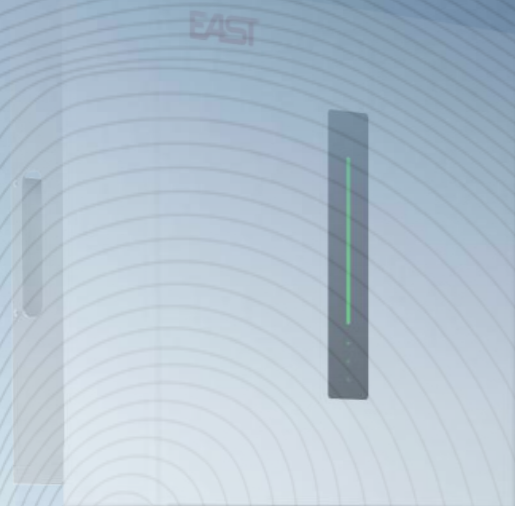
10.0—20.0kW Three Phase

-  Supports PV inverter, generators, and microgrid inputs, suitable for new and modified photovoltaic and microgrid systems
-  Supports multiple mode settings, supports local independent operation and peak load shaving
-  App real-time monitoring, supports online remote OTA upgrades, easy operation and maintenance
-  Mains and PV input power oversized at a ratio of 1.5-2, resulting in a more stable system operation
-  Support RSD and AFCI optional configurations to provide safer protection for the system

Hybrid Inverter Specification

| MODEL | EAH110KTH-S | EAH115KTH-S | EAH120KTH-S |
|---|---|---------------|-------------|
| PV input parameter | | | |
| Max. input power | 20kW | 30kW | 30kW |
| Max. input voltage | 1000Vdc | | |
| Rated input voltage | 650Vdc | | |
| Start-up voltage | 180Vdc | | |
| Min. operating voltage | 160Vdc | | |
| MPPT voltage range | 160-950Vdc | | |
| Full power MPPT voltage range | 625-800V | | |
| Max. input current per MPPT | 16A/16A | 16A/32A | |
| Max. short circuit current per MPPT | 24A/24A | 24A/48A | |
| Number of MPPTs | 2 | | |
| 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 |
| Max. charging/discharging power | 10kW | 15kW | 20kW |
| 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 |
| Max. apparent output power | 11kVA | 16.5kVA | 22kVA |
| Rated output voltage | 3/N/PE, 380Vac/400Vac | | |
| Rated output frequency | 50 Hz/60Hz | | |
| Rated output current | 15.2A/14.4A | 22.8A/21.7A | 30.4A/28.9A |
| Max. output current | 16.7A/15.8A | 25.1A/23.8A | 33.5A/31.8A |
| 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 |
| Max. apparent power | 10kVA | 15kVA | 20kVA |
| Rated output voltage | 3/N/PE, 380Vac/400Vac | | |
| Rated output frequency | 50Hz/60Hz | | |
| Rated output current | 15.2A/14.4A | 22.8A/21.7A | 30.4A/28.9A |
| Max. output current | 15.2A | 22.8A | 30.4A |
| THDV | ≤3% (linear load) | | |
| Switching time | ≤10ms | | |
| Efficiency | | | |
| Max. efficiency | 98.2% | | |
| MPPT efficiency | 99.9% | | |
| Protections | | | |
| Protections | Over/under voltage, over/under-frequency, over load, output short-circuit, over temperature, residual current monitoring unit, output over-current, insulation resistance, anti-islanding, surge protection | | |
| Surge protection | DC Type II/AC Type II | | |
| Others | | | |
| Dimensions (WxHxD)(mm) | 650x640x270 | | |
| 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 |
| Installation method | Floor-mounted | | |
| Standards | | | |
| Grid connection | NC RFG+PTPIREE, VDE 0126, EN50549-1/10, DIN VDE V 0124-100:2020, VDE-AR-N 4105:2018, PPDS, CEI 0-21 | | |
| Safety regulation | IEC/EN 62109-1/-2, IEC62040-1, IEC62477, IEC62619:2022 | | |
| EMC | EN 61000-6-1/-2/-3/-4 | | |

HIGH VOLTAGE BATTERY



▶ Battery Distribution Box

▶ Battery



App real-time monitoring, supports online remote OTA upgrades, easy operation and maintenance



Stacking design for easy installation



High voltage batteries are equipped with built-in high efficiency DC-DC modules, making battery expansion more reliable

Battery Specification





| MODEL | EHBS-P5-TH |
|--|--|
| System component | |
| Battery type | LiFePO4 |
| Module capacity | 5.12kWh |
| System capacity | 5~20kWh, expandable |
| Module number of battery cluster | 1~4 |
| Maximum cluster number extended for battery system | 3 |
| Rated voltage | 750Vdc |
| Voltage range | 600~1000Vdc |
| Max. charge/discharge current | 3.4A/5.5A |
| Communication port | CAN/RS485 |
| Dimensions (WxHxD)(mm) | 650x350x270 |
| Net weight | 55kg |
| Topology | High frequency isolation |
| IP rating | IP66 |
| Operating temperature | -25°C~+55°C |
| Cooling mode | Natural cooling |
| Heating mode | PTC heating |
| Altitude | 3000m |
| Noise level at 1 m | < 40dB |
| Installation method | Floor-mounted |
| Standards | |
| Safety regulation | IEC/EN 62619 2022, ISO 13849, IEC/EN 62040-1, IEC/EN 62477, IEC62109-1/2 |
| EMC | IEC 61000-6-1, EN/IEC 61000-6-3 |
| Transportation | UN 38.3 |
| Warranty | 5 years |

Battery Distribution Box Specification







| MODEL | PDU-GU-Y | PDU-GU-F |
|-----------------------------------|-------------|----------|
| Parameters | | |
| Interface with battery stacking | Yes | No |
| Maximum current | 50A | |
| Voltage range | 650~1000Vdc | |
| Display method | LED | |
| Dimensions (WxHxD)(mm) | 650x150x270 | |
| Net weight (kg) | 11 | |
| IP rating | IP66 | |
| Warranty | 5 years | |
| Others | | |
| Fixed base dimensions (WxHxD)(mm) | 650x80x270 | |

EAHI 10K/15K/20KTH Series



-  Lithium iron phosphate battery, IP66 outdoor protection level, built-in fire protection module
-  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

System Specification

| MODEL | EAHI10K/15K/20KTH Series | | | |
|--|---|--|---|--|
| System components | | | | |
| Number of battery modules | 1 | 2 | 3 | 4 |
| Battery capacity | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Battery system model | 5kWh | | | |
| Number of inverter | 1 | | | |
| Inverter mode | EAHI10K/15K/20KTH-S (optional) | | | |
| Rated power | 10K/15K/20kW (optional) | | | |
| Dimensions (WxHxD)(mm) | 650x1250x270 | 650x1600x270 | 650x1950x270 | 650x2300x270 |
| Weight (kg) | 120 | 175 | 230 | 285 |
| Noise | ≤25dB @ EAHI10K, ≤45dB @ EAHI15K, ≤50dB @ EAHI20K | | | |
| Cooling type | Smart cooling | | | |
| Maximum altitude | 3000m | | | |
| Operating temperature | -20°C~+58°C | | | |
| Operating humidity | 0~100%RH (Non-condensing) | | | |
| Display | LED and app | | | |
| Installation method | Floor-mounted | | | |
| Maximum expandable cluster of cluster system | 3 | | | |
| System components | | | | |
| Number of battery modules | 1 | 2 | 3 | 4 |
| Battery capacity | 5kWh | 10kWh | 15kWh | 20kWh |
| Legend |  |  |  |  |
| System components | | | | |
| Number of battery modules | 8 | | 12 | |
| Battery capacity | 40kWh | | 60kWh | |
| Legend |  | |  | |