



New Epoch , New Energy

WORK TOGETHER
FOR A WIN-WIN

New Beginning

Renewable energy,energy saving
and environment friendly,let us
with Epoch for a better future.



Power Your Car



E-Star-EH2

RESIDENTIAL SERIES



POWER

3/5/6kW inverter

CAPACITY

Battery modular design
Power capacity expandable



Multi-protection

Input Reverse Polarity/Anti-island
Over-heat/AC Overcurrent
AC Short-circuit/AC Overvoltage
DC Surge/AC Surge Protection



PV MPPT Voltage Range 120V~550V
Support GPRS/WIFI/RS485/USB
PV overload capability up to130%

| Model | ESI-3KW-H1 | ESI-5KW-H1 | ESI-6KW-H1 |
|--|--|-----------------------------|------------|
| PV Input Data | | | |
| Maximum input power (kW) | 4.5 | 7.5 | 9 |
| Maximum input voltage (V) | | 600 | |
| MPPT operating voltage range (V) | | 120~550V | |
| Number of MPPT /strings per MPPT | | 2/1 | |
| Maximum input current (A) | | 13.5/13.5 | |
| MPPT Efficiency | | 99.90% | |
| Maximum efficiency | 97.42% | 97.50% | 97.50% |
| Max. Battery Discharge Efficiency | 97.15% | 97.50% | 97.50% |
| Euro Efficiency | 97.15% | 97.20% | 97.20% |
| AC parameters (Grid tie) | | | |
| Rated power (kW) | 3 | 5 | 6 |
| Maximum apparent power (kVA) | 3 | 5 | 6 |
| Rated Voltage(Vac) | | 220 /230/240; 160 ~ 290 | |
| Rated frequency(Hz) | | 50/60±5 | |
| Maximum output current (A) | 21.7 | | 26.1 |
| Power factor range | | 0.8 leading ~ 0.8 lagging | |
| Current Total Harmonic Distortion (@rated power) | | <2% | |
| AC output parameters (Off grid end) | | | |
| Rated output power (kW) | 3 | 5 | 6 |
| Maximum apparent output power (kVA) | 3 | 5 | 6 |
| Rated output voltage (Vac) | | 220 /230/240; 160 ~ 290 | |
| Rated output frequency (Hz) | | 50/60±5 | |
| Maximum output current (A) | 13 | 21.7 | 26.1 |
| Battery Pack Data | | | |
| Battery pack model | | ES-H48100 | |
| Cell type | | Li-ion(LFP) | |
| Battery Capacity(Ah) | | 100 | |
| Storage Capacity(kWh) | | 10 | |
| cycle life | | 7000* | |
| Rated voltage (V) | | 51.2 | |
| Battery Output Data | | | |
| Battery Type | | Lithium or Lead-acid | |
| Battery Voltage Range (V) | | 80~450V | |
| Max. Charging / Discharging Current (A) | | 25 | |
| Max. Charging / Discharging Power (kW) | 4.5/3 | 6/5 | 6/6 |
| Communication Interface | | CAN | |
| General Data | | | |
| working temperature range | | -25~60°C | |
| Working altitude (m) | | <2000 | |
| Noise Figure (dB) | | <35 | |
| Topology | | Transformerless | |
| cooling method | | Natural Convection | |
| Protection class | | IP65 | |
| Humidity | | 0 ~ 95% | |
| Human-computer interaction | | LCD | |
| Meter communication mode | | RS485 | |
| Dimensions(w*D*H)(mm) | | 520* 380* 1200 | |
| Warranty | | 5 years (optional 10 years) | |
| Weight(kg) | | 120 | |
| Certification | | | |
| Certificates | VDE-AR-N 4105EN/IEC 61000-1/-2/-3/-4,IEC61000-3-11/12,UN38-3 | | |
| | VDE-AR-N 2510-50,IEC/EN 62109-1,IEC 62619,EN 50549,CEI 0-21,CE | | |

E-Star-EL2

RESIDENTIAL SERIES



POWER

3/3.68/5kW inverter

CAPACITY

Battery modular design
Power capacity expandable



Multi-protection

Input Reverse Polarity/Anti-island
Over-heat/AC Overcurrent
AC Short-circuit/AC Overvoltage
DC Surge/AC Surge Protection



PV MPPT Voltage Range 100V~550V
Support GPRS/WIFI/RS485/USB
PV overload capability up to 130%

| Model | ESI-3KW-L1 | ESI-3.68KW-L1 | ESI-5KW-L1 |
|--|--|---------------|------------|
| PV Input Data | | | |
| Maximum input power (kW) | 3.9 | 4.6 | 6.5 |
| Maximum input voltage (V) | 580 | | |
| MPPT operating voltage range (V) | 100~550V | | |
| Number of MPPT /strings per MPPT | 2/1 | | |
| Maximum input current (A) | 12/12 | | |
| MPPT Efficiency | 99.90% | | |
| Maximum efficiency | 97.60% | | |
| Battery Charge/Discharge efficiency | 94.00% | | |
| Euro Efficiency | 97.00% | | |
| AC parameters (Grid tie) | | | |
| Rated power (kW) | 3 | 3.68 | 5 |
| Maximum apparent power (kVA) | 3 | 3.68 | 5 |
| Rated Voltage(Vac) | 220 /230; 180 ~ 270 | | |
| Rated frequency(Hz) | 50/60±5 | | |
| Maximum output current (A) | 13 | 16 | 21.7 |
| Power factor range | 0.8 leading ~ 0.8 lagging | | |
| Current Total Harmonic Distortion (@rated power) | <3% | | |
| AC output parameters (Off grid end) | | | |
| Rated output power (kW) | 3 | 3.68 | 5 |
| Maximum apparent output power (kVA) | 3 | 3.68 | 5 |
| Rated output voltage (Vac) | 220 /230; 180 ~ 270 | | |
| Rated output frequency (Hz) | 50/60±5 | | |
| Maximum output current (A) | 13 | 16 | 21.7 |
| Battery Pack Data | | | |
| Battery pack model | ES-H48100 | | |
| Cell type | Li-ion(LFP) | | |
| Battery Capacity(Ah) | 100 | | |
| Storage Capacity(kWh) | 5 | | |
| cycle life | 7000* | | |
| Operating voltage range (V) | 51.2~57.6V | | |
| Rated voltage (V) | 51.2 | | |
| Battery Output Data | | | |
| Battery Type | Lead-acid battery/lithium battery | | |
| Battery Voltage Range(V) | 40~60V | | |
| Max. Charging / Discharging Power(kW) | 3 | | |
| Max. Charging / Discharging Current(A) | 60A | | |
| Communication Interface | CAN | | |
| General Data | | | |
| working temperature range | -25~60°C | | |
| Working altitude (m) | <4000 | | |
| Noise Figure (dB) | <35 | | |
| Topology | Transformerless | | |
| cooling method | Natural Convection | | |
| Protection class | IP65 | | |
| Humidity | 0 ~ 95% | | |
| Human-computer interaction | LCD | | |
| Meter communication mode | RS485 | | |
| Dimensions(w*D*H)(mm) | 520* 380* 1200 | | |
| Warranty | 5 years (optional 10 years) | | |
| Weight(kg) | 120 | | |
| Certification | | | |
| Certificates | VDE-AR-N 4105EN/IEC 61000-1/-2/-3/-4,IEC61000-3-11/12,UN38-3 | | |
| | VDE-AR-N 2510-50,IEC/EN 62109-1,IEC 62619,EN 50549,CEI 0-21,CE | | |



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