

Energy Storage Hybrid Inverter (high voltage)

| Model | LC-H5H1 | LC-H6H1 | LC-H10H1 |
|------------------------------|--------------------------|-------------------------|-------------------------|
| PV input | | | |
| Max. Input Power | 6.5KW | 8.5KW | 13KW |
| Start-up voltage | | 120V | |
| Max. PV voltage | | 550V | |
| MPPT range/nominal | | 125V-500V /360V | |
| Max. input current | | 12A | |
| MPPT tracker/strings | | 4/1 | |
| AC output | | | |
| Rated power | 5KVA | 6KVA | 10KVA |
| Max. output current | 21.7A | 26A | 43.5A |
| Nominal voltage/range | | 230V /176Vac-270Vac | |
| Frequency | | 50 /60Hz | |
| PF | | 0.99lagging-0.99leading | |
| THDI | | <3% | |
| AC output topology | | L+N+PE | |
| Battery | | | |
| Battery voltage range | | 85V-400V | |
| Capacity Of Battery | | 6.6-66 kWh | |
| Charge/discharge current | 63 A / 63 A | | 80 A / 80 A |
| Battery type | | lithium /Lead-acid | |
| Communication interface | | CAN/RS485 | |
| EPS output | | | |
| Rated power w/va | 5KVA | 6KVA | 10KVA |
| Max. Output Power | 6.25kVA 60s. / 7.5kVA 1S | 7.5kVA 60s. / 9kVA 1S | 12.5kVA 60S. / 15KVA 1S |
| Rated voltage | | 230Vac | |
| Rated current | 21.7A | 26A | 43.5A |
| Rated frequency | | 50 /60Hz | |
| Automatic switchover time | | <20ms | |
| THDU | | <2% | |
| General data | | | |
| Battery chage/discharge | | 96.5%/96% | |
| DC max. efficiency | | 98.2% | |
| Euro efficiency | | 97.2% | |
| MPPT efficiency | | 99% | |
| Protection class | | IP65 | |
| Noise emission (typical) | | <35dB | |
| Operation temperature | | -25°C ~ +60°C | |
| Cooling | | Natural | |
| Relative humidity | | 0-95%(non-condensing) | |
| Altitude | | 2000m | |
| Dimensions (WDXH) | | 530X220X565mm | |
| Weight | | 30kg | |
| Inverter topology | | Without transformer | |
| Self-consumption | | <3W | |
| Features | | | |
| Display | | LCD | |
| Interface:RS485/wifi/can/DRM | | yes /opt/yes/yes | |
| Certificates | | CE, TUV | |

Energy Storage Hybrid Inverter (AC three-phase)

| Model | LC-H8H3 | LC-H10H3 | LC-H12H3 |
|------------------------------|---------|-------------------------|----------|
| Input parameter(DC) | | | |
| Max. Input Power | 10.4KW | 13KW | 15.6KW |
| Max. PV voltage | | 1000V | |
| MPPT range | | 125V-850V | |
| Max. input current | | 12.5A*2 | |
| MPPT tracker/strings | 2/1 | 2/1 | 2/1 |
| AC output | | | |
| Max. output power | 8.8KVA | 11KVA | 13.2KVA |
| Max. output current | 12.7A | 15.9A | 19.1A |
| Nominal voltage/range | | 400VAC /360Vac-440Vac | |
| Frequency | | 50 /60Hz | |
| PF | | 0.99lagging-0.99leading | |
| THDI | | <3% | |
| AC output topology | | 3W+N+PE | |
| Battery | | | |
| Battery voltage range | | 125V-600V | |
| Charge/discharge current | | 50A | |
| Max. Charge/discharge power | 8.8KW | 11KW | 13.2KW |
| Battery type | | Lithium-ion /Lead-acid | |
| Communication interface | | CAN/RS485 | |
| EPS output | | | |
| Max. output power | 8.8KVA | 11KVA | 13.2KVA |
| Rated voltage | | 400Vac | |
| Rated current | 12.7A | 15.9A | 19.1A |
| Rated frequency | | 50/60Hz | |
| Automatic switchover time | | <20ms | |
| THDU | | <2% | |
| General data | | | |
| Battery chage/discharge | 97.5% | 97.5% | 97.6% |
| DC max. efficiency | 97.9% | 98.2% | 98.2% |
| Euro efficiency | 97.2% | 97.5% | 97.5% |
| MPPT efficiency | 99.5% | 99.5% | 99.5% |
| Protection class | | IP65 | |
| Noise emission (typical) | | <35dB | |
| Operation temperature | | -25°C ~ +60°C | |
| Cooling | | Natural | |
| Relative humidity | | 0-95%(non-condensing) | |
| Altitude | | 2000m | |
| Dimensions (WDXH) | | 530X200X560mm | |
| Weight | | 29kg | |
| Inverter topology | | Without transformer | |
| Self-consumption | | <3W | |
| Features | | | |
| Display | | LCD | |
| Interface:RS485/wifi/can/DRM | | yes /opt/yes/yes | |
| Certificates | | CE, TUV | |