

THREE-PHASE HYBRID INVERTER

H3PH-1J6/8/10K-EU





4 MPPTs

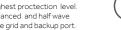
Integrated 4 MPPTs, suitable for houses with multi-pitched rooftops, supports high



Maximum battery charge and discharge current 50A (Industry common level is 25A)

IP66 industry highest proctection level. Suppports unbalanced and half wave loads on both the grid and backup port.

Double Current



(EPS

EPS

Back up switch time <10ms



Overload Capacity
Backup overload capacity increased to
1.6 times up to 60 seconds, support ref and AC inductive loads

| MODEL | H3PH-1J6K-EU | H3PH-1J8K-EU | H3PH-1J10K-EU |
|---|--|---------------------------------------|-----------------|
| nput DC (PV side) | | | |
| Recommended max. PV power | 9.6 kW | 12.8 kW | 16 kW |
| Max. input voltage | 1000 V | | |
| Rated voltage | 600 V | | |
| Start-up voltage | 160 V | | |
| MPPT voltage range | | 200 - 850 V | |
| Max. input current | 16/16/16 A | 16/16/16/16 A | 16/16/16 A |
| Max. short circuit current | 24/24/24/24A | 24/24/24/24 A | 24/24/24/24 A |
| MPPT number | 3 | 4 | 4 |
| Max. number of input strings per MPPT Battery | 1 | 1 | 1 |
| Battery type | | Li - ion | |
| Battery voltage range | 120 - 600 V | | |
| Max. charge / discharge power | 6 kW | 8 kW | 10 kW |
| Max. charge / discharge current | 25 A | 50 A | 50 A |
| Communication | | CAN / RS 485 | |
| Output AC (Grid side) | | | |
| Rated output power | 6 kW | 8 kW | 10 kW |
| Max. apparent output power | 6 kVA | 8 kVA | 10 kVA |
| Rated grid voltage | | 3L/N/PE, 380/400 V | 20 |
| Rated grid frequency | | 50 / 60 Hz | |
| Rated grid output current | 9.1 A / 8.7 A | 12.2 A / 11.5 A | 15.2 A / 14.4 A |
| Max. output current | 9.1 A / 8.7 A | 12.2 A / 11.5 A | 15.2 A / 14.4 A |
| Power factor | 5.27.7 5.7 7 | > 0.99 (0.8 leading - 0.8 lagging) | 10.277 17.77 |
| THDi | | < 2 % | |
| Input AC (Grid side) | | ~ Z 70 | |
| | O LAW | 12131/ | 45134 |
| Max. input power | 9 kW | 12 kW | 15 kW |
| Rated Input current | 18.2 A | | |
| Rated Input voltage | 3L /N/PE, 380 / 400 V | | |
| Rated Input frequency | | 50 / 60 Hz | |
| Output AC (Back-up) | | | |
| Rated output power | 6 kW | 8 kW | 10 kW |
| Max. apparent output power | 9.6 kVA, 60 sec | 12.8 kVA, 60 sec | 16 kVA, 60 sec |
| Back-up switch time | | < 10 ms | |
| Rated output voltage | | 3L/N/PE, 380/400V | |
| Rated frequency | | 50 / 60 Hz | |
| Rated output current | 9.1 A / 8.7 A | 12.2 A / 11.5 A | 15.2 A / 14.4 A |
| THDv (@linear load) | | < 2 % | |
| Efficiency | | | |
| Max. efficiency | 97.91% | 98.03% | 98.04% |
| EU efficiency | 97.10% | 97.41% | 97.51% |
| Protection | | | |
| Anti-islanding protection | | Yes | |
| Integrated AFCI (DC arc-fault circuit protection) | Yes | | |
| Insulation Resistor detection | Yes | | |
| Residual current monitoring un | Yes | | |
| Output over current protection | Yes | | |
| Output short protection | DC:II/AC:II | | |
| Output over voltage protection | Yes | | |
| Integrated DC switch | Yes | | |
| DC reverse-polarity protection | Yes | | |
| PV over voltage protection | Yes | | |
| Battery reverse protection | Yes | | |
| General Data | | 162 | |
| | | 600 × 600 · 270 | |
| Dimensions (W x H x D) | 600 x 500 x 230 | | |
| Weight | 32.6 kg | | |
| Topology | Transformerless | | |
| Self-consumption (night) | <25 W | | |
| Operating ambient temperature range | 25 ~ + 60°C (-13 ~ 140 °F) | | |
| Protection rating | IP66 | | |
| Cooling concept | Natural convection | | |
| Max. operation altitude | 4000 m (with no derating) | | |
| Grid connection standard | VDE - AR - N 4105 / VDE V 0124, AS/NSZ 4777.2:2020 | | |
| Safety / EMC standard | CE | , IEC/EN 62109-1/-2, IEC/EN 61000-6-1 | 1/-3 |
| Features | | | |
| PV connection | MC4 connector | | |
| Battery connection | Quick connection plug | | |
| AC connection | Quick connection plug | | |
| Display screen | LED + Bluetooth + APP | | |
| Communication | CAN, RS485, Ethernet, Wi-Fi, LAN | | |
| | 61 | | |
| Max. Number of inverters | | 6^{1} | |