



All-in-one combination

5kW + 10kWh

5kW + 15kWh

MODEL inverter

HS2-5K-T2

HS2-5K-T2

MODEL battery

BU2-5.0-HV5

BU2-5.0-HV5

DC Input

| | |
|----------------------------------|-----------|
| Max. PV Array Power [Wp] @STC | 7500 |
| Max. DC Voltage [V] | 1000 |
| MPPT Voltage Range [V] | 180~900 |
| Rated DC Voltage [V] | 600 |
| Start Voltage [V] | 180 |
| Max.DC Input Current [A] | 16/16 |
| Max.DC Short Circuit Current [A] | 19.2/19.2 |
| No. of MPPT | 2 |

AC Output [On-grid]

| | |
|-------------------------------------|---|
| Rated AC Power [W] | 5000 |
| Max.Apparent Power*1 [VA] | 5500 |
| Rated Output Current [A]@230Vac | 7.2 |
| Max. Output Current [A] | 8.3 |
| Current Inrush [A] | 52 |
| Max. AC Fault Current [A] | 45 |
| Max. AC Over Current Protection [A] | 20.8 |
| Rated AC Voltage/Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485 |
| Rated Output Frequency/Range [Hz] | 50,60/45~55,55~65 |
| Power Factor [cos φ] | 0.8 leading~0.8 lagging |
| Total Harmonic Distortion [THDi] | <3% |



AC Input [On-grid]

| | |
|-------------------------------|---|
| Rated AC Voltage/Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485 |
| Rated Input Frequency [Hz] | 50.60 |
| Max. Input Current [A]@230Vac | 7,2 |

AC Output [Back-up]

| | |
|-----------------------------------|---|
| Max.Output Power [VA] | 5000 |
| Max. Output Current [A] | 8 |
| Peak Output Apparent Power [VA] | 10000, 60s |
| Rated AC Voltage/Range [V] | 3L+N+PE, 220/380, 230/400, 240/415; 180~280/312~485 |
| Rated Output Frequency/Range [Hz] | 50,60/45~55,55~65 |
| Output THDv (@ Linear Load) | <3% |

Efficiency

| | |
|-----------------|--------|
| Max. Efficiency | 98,00% |
| Euro Efficiency | 97,60% |

Protection

| | |
|---|------------|
| Battery Input Reverse Polarity Protection | Integrated |
| Over load Protection | Integrated |
| AC Short Circuit Current Protection | Integrated |
| DC Surge Protection | Integrated |
| AC Surge Protection | Integrated |
| Anti-islanding Protection | Integrated |
| AFCI Protection | Optional |
| RSD Protection | Optional |

Interface

| | |
|-----------------------------------|------------------------|
| PV Connection | MC4/H4 |
| AC Connection | Plug-in connector |
| Battery Connection | Quick connector |
| Display | LED+APP |
| Communication Inverter | Wi-Fi/Ethernet |
| Communication Bliq Energy manager | SIM card with dataplan |



Battery Parameters

| | | |
|----------------------------|-------------|-------------|
| Battery Type | LiFePO4 | |
| Battery Voltage Range [V] | 180~600 | |
| No. of Modules | 2 | 3 |
| Rated Energy [kWh] | 10.0 | 15.0 |
| Usable Energy [kWh] | 9.0 | 13.5 |
| Nominal Voltage [V] | 204.8 | 307.2 |
| Operating Voltage [V] | 179.2~230.4 | 268.8~345.6 |
| Max. Charge Current [A] | 30 | |
| Max. Discharge Current [A] | 30 | |

General Parameters

| | | |
|-----------------------------|--|--------------|
| Topology | Non-isolated | |
| Operating Temperature Range | Charging: 0~50 C; Discharging: -10~50 °C | |
| Cooling Method | Natural Convection | |
| Ambient Humidity | 0-100% Non-condensing | |
| Altitude | 4000m (>3000m Power Derating) | |
| Noise [dBA] | <35 | |
| Ingress Protection | IP65 | |
| Dimensions [H*W*D] [mm] | 1070*626*365 | 1330*626*365 |
| Weight [kg] | 137 | 189.5 |
| Mounting | Ground-Mounted | |
| Warranty [Year] | 10 | |
| Standard (inverter) | EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI O-021, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4015, VDE 0126-1-1 | |
| Standard (battery) | IEC 62619(Cell&Pack), EN 62477-1, EN 61000-6-1/2/3/4, UN38.3 | |