



All-in-one combination	8kW + 20kWh	8kW + 25kWh
MODEL inverter	HS2-8K-T2	HS2-8K-T2
MODEL battery	BU2-5.0-HV5	BU2-5.0-HV5

DC Input

Max. PV Array Power [Wp] @STC	12000
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]	8000
Max.Apparent Power*1 [VA]	8800
Rated Output Current [A]@230Vac	11,6
Max. Output Current [A]	13,3
Current Inrush [A]	52
Max. AC Fault Current [A]	45
Max. AC Over Current Protection [A]	33,3
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	11,6

AC Output [Back-up]

Max. Output Power [VA]	8000
Max. Output Current [A]	12,8
Peak Output Apparent Power [VA]	16000, 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	4	5
Rated Energy [kWh]	20	25
Usable Energy [kWh]	18	22.5
Nominal Voltage [V]	409,6	512
Operating Voltage [V]	358.4~460.8	448~576.0
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]	1640 * 626 * 365	1900 * 626 * 365
Weight [kg]	242	295
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	