



All-in-one combination	3,6kW + 5kWh	3,6kW + 10kWh	5kW + 10kWh	5kW + 15kWh
MODEL inverter	HS2-3.6K-S2-B	HS2-3.6K-S2-B	HS2-5K-S2-B	HS2-5K-S2-B
MODEL battery	BU2-5.0-HV5	BU2-5.0-HV5	BU2-5.0-HV5	BU2-5.0-HV5

DC Input

Max. PV Array Power [Wp] @STC	5400	5400	7500	7500
Max. DC Voltage [V]	550			
MPPT Voltage Range [V]	90~500			
Rated DC Voltage [V]	360			
Start Voltage [V]	100			
Max.DC Input Current [A]	16/16			
Max.DC Short Circuit Current [A]	19.2/19.2			
No. of MPPT	2			

AC Input [On-grid]

Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180~280			
Rated Input Frequency [Hz]	50.6			
Max. Input Current [A]@230Vac	32	32	43.5	43.5

AC Output [On-grid]

Rated AC Power [W]	3680	3680	5000	5000
Max.Apparent Power*1 [VA]	3680	3680	5000	5000
Rated Output Current [A]@230Vac	16	16	21.7* ²	21.7* ²
Max. Output Current [A]	16.7	16.7	25	25
Current Inrush [A]	100.0			
Max. AC Fault Current [A]	55.0			



Max. AC Over Current Protection [A]	55.0
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180~280
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 Output [Back-up]

Max.Output Power [VA]	3680	3680	5000	5000
Max. Output Current [A]	16.7	16.7	22.7	22.7
Peak Output Apparent Power [VA]	4416.60s	4416.60s	6000.60s	6000.60s
Rated AC Voltage/Range [V]	L+N+PE, 220,230,240/180~280			
Rated Output Frequency/Range [Hz]	50,60/45~55,55~65			
Output THDv (@ Linear Load)	<3%			

Efficiency

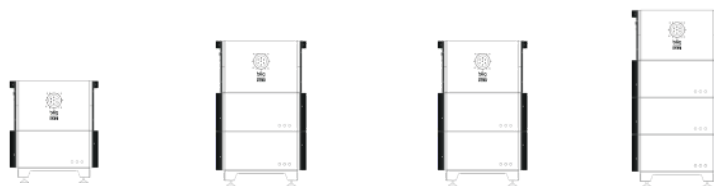
Max. Efficiency	97.6%
Euro Efficiency	97.0%

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 Blio Energy manager	SIM card with dataplan



Battery Parameters

Battery Type	LiFePO4			
Battery Voltage Range [V]	85~450			
No. of Modules	1	2	2	3
Rated Energy [kWh]	5.0	10.0	10.0	15.0
Usable Energy [kWh]	4.5	9	9	13.5
Nominal Voltage [V]	102.4	204.8	204.8	307.2
Operating Voltage [V]	89.6~115.2	179.2~230.4	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	0~95% non-condensing			
Altitude	4000m (>3000m Power Derating)			
Noise [dBA]	<35			
Ingress Protection	IP65			
Dimensions [H*W*D] [mm]	714*626*365	974*626*365	974*626*365	1234*626*365
Weight [kg]	77.5	130	130	182.5
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			