



All-in-one combination 3.6kW + 5kWh 3.6kW + 10kWh 3.6kW + 15kWh 3.6kW + 20kWh

MODEL inverter

B-HB-INV-HS2-1P-3.6

MODEL battery

B-HB-BAT-HS2-HV5-PLUS

DC Input

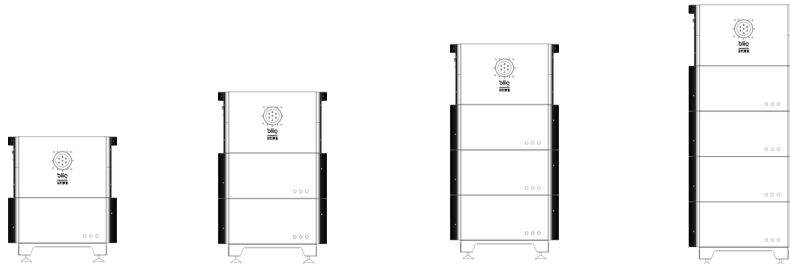
Max. PV Array Power [Wp] @STC	5400
Max. DC Voltage [V]	550
MPPT Voltage Range [V]	90~500
Rated DC Voltage [V]	360
Start Voltage [V]	100
Max.DC Input Current [A]	16/16
Max.DC Short Circuit Current [A]	19.2/19.2
No. of MPPT	2

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

AC Output [On-grid]

Rated AC Power [W]	3680
Max.Apparent Power*1 [VA]	3680
Rated Output Current [A]@230Vac	16
Max. Output Current [A]	16.7
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 [$\cos \phi$]	0.8 leading~0.8 lagging
Total Harmonic Distortion [THDi]	<3%

AC Output [Back-up]

Max.Output Power [VA]	36800
Max. Output Current [A]	16.7
Peak Output Apparent Power [VA]	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

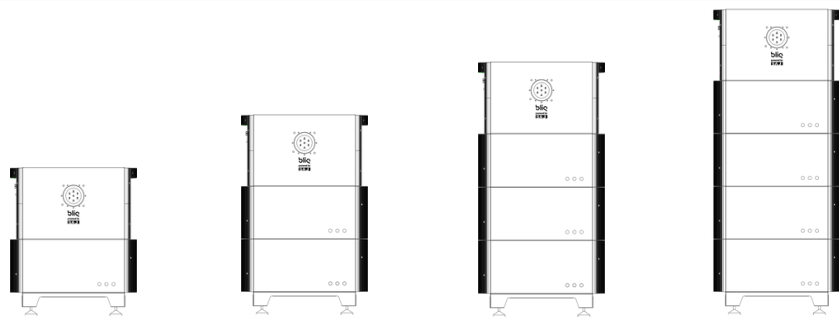
Max. Efficiency	97.6%
Euro Efficiency	97.0%

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/RS485
Communication Bliq Energy manager	SIM card with dataplan

**Battery Parameters**

	3.6kW + 5kWh	3.6kW + 10kWh	3.6kW + 15kWh	3.6kW + 20kWh
Battery Type	LiFePO4			
Battery Voltage Range [V]	85~450			
No. of Modules	1	2	3	4
Rated Energy [kWh]	5.0	10.0	15.0	20.0
Usable Energy [kWh]	4.5	9	13.5	18.0
Nominal Voltage [V]	102.4	204.8	307.2	409.6
Operating Voltage [V]	89.6~115.2	179.2~230.4	268.8~345.6	358.4~460.8
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]	715*626*365	976*626*365	1237*626*365	1498*626*365
Weight [kg]	80.5	133	185.5	238
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			