



HiHome



150%+

Max. PV Oversizing

98.2%

PV Efficiency

61.44kWh

Battery Capacity Up

5~12kW

AC Output Power



Remote Monitoring and Software Upgrade



Natural Cooling Design



* All pictures shown are for reference only, actual appearance may vary.

LINK YOUR SUSTAINABLE LIFE

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DATASHEET

Models	HiHome-5000	HiHome-6000	HiHome-8000	HiHome-10000	HiHome-12000
SYSTEM DATA					
Nominal AC power(grid)[W]	5000	6000	8000	10000	12000
Nominal AC output power(back-up)[W]	5000	6000	8000	10000	12000
Max.PV power[W]	7500	9000	12000	15000	18000
Charged/discharged efficiency@battery<->grid/load	97.60%				
Battery total energy[kWh]	[10.24/12.8/15.36/17.92/20.48]* n (n = 1~3 in parallel)				
Battery usable energy[kWh]	[8.96/11.2/13.44/15.68/17.92]* n (n = 1~3 in parallel)				
Communication interface	RS485/CAN (Inverter <-> BMS); RS485 (for Meter); WiFi/4G(Opt) (for Cloud)				
Product ordering model	[LSHi-5000~12000-HT inverter] + [HiBAY battery]* n (n = 1~3 in parallel)				
INVERTER					
Model	LSHi-5000HT	LSHi-6000HT	LSHi-8000HT	LSHi-10000HT	LSHi-12000HT
	PV Input				
Max.input voltage[V]	1000				
Start up voltage[V]	145				
MPPT voltage range[V]	150-850				
Max. input current[A]	15/15				
Max. short current[A]	20/20				
No. of MPP trackers	2				
No. of strings per MPP tracker	1/1				
	Battery Input Data				
Input voltage range[V]	160-800				
Max.dis-/charging current[A]	25/25				
	AC Output/Input (Grid)				
Nominal grid voltage[V]	380/400				
Nominal grid frequency[Hz]	50/60				
Max. AC output current[A]	8.5	10.0	13.5	16.0	20.0
Displacement power factor	> 0.99 @Nominal power (0.8 leading - 0.8 lagging adjustable)				
Total harmonic distortion(THDi, Nominal power)	<3%				
Grid connection	3W/N/PE				
	AC Output Data (Back-up)				
Nominal output voltage[V]	380/400				
Nominal output frequency[Hz]	50/60				
Max. output current[A]	8.5	10.0	13.5	16.0	20.0
Switch time[ms]	10ms (typ) / 20ms (max)				
Total harmonic distortion(THDV, @linear load)	<3% @100% R Load				
	Efficiency				
Max. efficiency[%]	98.00%		98.20%		
BATTERY					
Battery type	LFP (LiFePO4)				
Battery module	2.56kWh (51.2V 50Ah 30.5kg)				
Number of modules	4	5	6	7	8
Weight[kg]	137	167.5	198	228.5	259
Dimensions(W*H*D)[mm]	578*278*1023	578*278*1215.6	578*278*1408.2	578*278*1600.8	578*278*1793.4
Mounting method	Ground mounted				
STANDARD					
INVERTER					
Safety&EMC	IEC62109-1&2, IEC61727, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3				
Grid	CEI 0/EN50549/				
BATTERY					
Safety&EMC	IEC62619 (Cell&Pack), CE, CEC, RCM,				
Transport	UN38.3				

①DOD varies with temperature and other related conditon.

②Nominal dis-/charge current and power derating will occur related to temperature and SOC.

* All specifications are subject to change without notice.

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* Please visit Linsum website for the latest certificates.