



HiHome



150%+

Max. PV Oversizing

98.2%

PV Efficiency

20.5kWh

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
Dis-/charged efficiency@battery<->grid/load [%]	97.60				
Battery total energy [kWh]	10.24/12.8/15.36/17.92/20.48				
Battery usable energy [kWh]	8.96/11.2/13.44/15.68/17.92				
Communication interface	RS485/CAN (Inverter <-> BMS); RS485 (for Meter); WiFi/4G (Opt) (for Cloud)				
Product ordering model	LSHI-5000~12000-HT inverter + HiBAY battery				
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 (0.8ind-0.8cap)				
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]	<10				
Total harmonic distortion (THDV, @linear load)	<3% @100% Rload				
Efficiency					
Max. efficiency [%]	98.00		98.20		
Efficiency					
Battery type	LFP (LiFePO4)				
Battery module [kWh]	2.56 (51.2V 50Ah 31kg)				
Number of modules	4	5	6	7	8
Weight [kg]	140.5	171.5	202.5	233.5	264.5
Dimensions (W*H*D) [mm]	578*278*1000	578*278*1193	578*278*1386	578*278*1579	578*278*1772
Mounting method	Ground mounted				
STANDARD					
INVERTER					
Safety&EMC&Grid	EN/IEC 62109-1/2, EN/IEC 61000-6-1/2/3/4, EN 61000-3-11/12, AS/NZS 61000.6.3/4, EN 55011, VDE-AR-N 4105, VDE V 0124-100				
BATTERY					
Safety&EMC	IEC62619; IEC63056; IEC/EN 62477-1; IEC61000-6-1/3				
Transport	UN38.3				

① DOD varies with temperature and other related condition.

② Nominal 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.