



LiHome



150%+

Max. PV Oversizing

97.3%

PV Efficiency

9.6kWh

Battery Capacity Up

4.6~6kW

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	LiHome-4600A	LiHome-4600B	LiHome-5000A	LiHome-5000B	LiHome-6000A	LiHome-6000B
SYSTEM DATA						
Nominal AC power(grid)[W]	4600	4600	5000	5000	6000	6000
Nominal AC output power(back-up)[W]	3000	4600	3000	5000	3000	6000
Max.PV power[W]	9000					
Charged/discharged efficiency@battery->grid/load	94.00%					
Battery total energy[kWh]	[2.4]* n (n = 1~4 in parallel)					
Battery usable energy[kWh]*①	[2.0]* n (n = 1~4 in parallel)					
Communication interface	RS485/CAN (Inverter <-> BMS); RS485 (for Meter); WiFi/4G(Opt) (for Cloud)					
Product ordering model	[LSLi-4600~6000-LS inverter] + [LiBAY battery]* n (n = 1~4 in parallel)					
INVERTER						
Model	LSLi-4600LS-60	LSLi-4600LS-120	LSLi-5000LS-60	LSLi-5000LS-120	LSLi-6000LS-60	LSLi-6000LS-120
Max.input voltage[V]	PV Input 550					
Start up voltage[V]	90					
MPPPT voltage range[V]	70V ~ 520					
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					
Input voltage range[V]	Battery Input Data 40-60					
Max.dis-/charging current[A]*②	60/60	120/120	60/60	120/120	60/60	120/120
Nominal grid voltage[V]	AC Output/Input (Grid) 220/230					
Nominal grid frequency[Hz]	50/60					
Max. AC output current[A]	22.0	22.0	25.0	25.0	27.2	27.2
Displacement power factor	> 0.99 @Nominal power (0.8 leading - 0.8 lagging adjustable)					
Total harmonic distortion(THDi, Nominal power)	<3%					
Grid connection	L/N/PE					
Nominal output voltage[V]	AC Output Data (Back-up) 230					
Nominal output frequency[Hz]	50/60					
Max. output current[A]	13.0	20.0	13.0	21.7	13.0	26.0
Switch time[ms]	10ms (typ) / 20ms (max)					
Total harmonic distortion(THDV, @linear load)	<3% @100% R Load					
Max. efficiency[%]	Efficiency 97.30%					
BATTERY						
Battery type	LFP (LiFePO4)					
Battery module	2.4kWh (48V 50Ah 29kg)					
Number of modules	1					
Weight[kg]	29					
Dimensions(W*H*D)[mm]	450*95*640					
Mounting method	Wall mounted					
STANDARD						
INVERTER						
Safety&EMC	IEC62109-1&2, IEC62040-1, IEC62477-1, IEC 61727/62116					
Grid	VDE-AR-N4105, AS 4777.2, EN 50549-1, C10/11, G99, CEI 0-21, NRS 097-2-1, RD 1699/661/413, NTS					
BATTERY						
Safety&EMC	IEC62619 (Cell&Pack), CE, CEC, RCM,					
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.

