



Share-Home
One-Stop Residential Energy Solution



Valuable

- Standardized BOM, save design time
- Quick installation, save labor cost
- Full process service, customer peace of mind



Smart

- Real-time monitoring
- Intelligent control, intelligent detection, safe operation
- Remote upgrade, fault alarm



Reliable

- Integrated design, lower failure rate
- Unified standard, higher product quality
- Active power off protection and Arc-fault circuit interrupter, safer system
- LFP Battery, stable and safe Module



Simple

- Preassembled parts, simple connection
- Packing in system, convenient for warehouse sorting

iShare Home Smart Solar Solution						
Model	iShare-Home 4kW	iShare-Home 6kW	iShare-Home 8kW	iShare-Home 10kW	iShare-Home 12kW	iShare-Home 15kW
System capacity (kW _{ac})	4	6	8	10	12	15
No. PV modules(pcs)/425W	10/12	14/16/18	20/22/24	26/28/30	32/34/36	38/40/42/44/46
Effective Roof Area Approx.	21m ² -26m ²	30m ² -39m ²	43m ² -51m ²	56m ² -65m ²	70m ² -78m ²	82m ² -100m ²
Inverter	SL-D4KTR-H25	SL-D6KTR-H25	SL-D8KTR-H25	SL-D10KTR-H25	SL-D12KTR-H25	SL-D15KTR-H40
Battery	SL-BH-3-7 ~SL-BH-8-20					
Cable set	DC Cable:H1Z2Z2-K 1×6mm ² ; UL 11627 10AWG					
	AC Cable: NYY-J 5×4mm ² /5×6mm ²					
	Grounding Cable: H07V-K 6mm ² ; NYY 1×6mm ²					
	Communication Cable: UTP CAT5e					
Mounting structure set	Rail, hook kit/hanger bolt kit, rail connector, mid-clamp, end-clamp, earthing lug and other accessories					
iBox	SL-BH12KR			SL-BH15KR		
Cloud & APP	1 set					
Power generation estimates (Italy)	15-17kWh/day 5308-4246kWh/year	20-26kWh/day 7431-9556kWh/year	29-35kWh/day 10615-12738kWh/year	38-44kWh/day 13800-15923kWh/year	47-52kWh/day 16984-19108kWh/year	55-67kWh/day 20169-24415kWh/year
Power generation estimates (Spain)	17-20kWh/day 6134-7360kWh/year	24-30kWh/day 8587-11040kWh/year	34-40kWh/day 12267-14721kWh/year	44-50kWh/day 15947-18401kWh/year	54-60kWh/day 19628-22081kWh/year	64-77kWh/day 23308-28215kWh/year
Larger capacity systems can be configured according to demand. The power generation is calculated based on Rome, Italy. The annual peak sunshine hours are 1523. The power generation is calculated based on Madrid, Spain. The annual peak sunshine hours are 1760h. Each kWh generated reduce 0.997kg of CO ₂ .						

PV Modules	SL-108NA-425R
Maximum power [P _{max} /W]	425
Open-circuit voltage [V _{oc} /V]	37.83
Short circuit current [I _{sc} /A]	14.05
Peak power voltage [V _{mp} /V]	31.94
Peak power current [I _{mp} /A]	13.31
Temperature coefficient of short circuit current [I _{sc}]	+0.050%/°C
Temperature coefficient of open circuit voltage [V _{oc}]	-0.263%/°C
Temperature coefficient of peak power [P _{max}]	-0.343%/°C
Max. Efficiency	21.76%
Dimension [L*W*H mm]	1722×1134×30
Weight [kg]	21.5
Certificate	IEC 61215, IEC 61730 ISO 9001:2015 ISO 14001:2015 ISO 45001:2018
Warranty	Warranty 30 years linear power and 12 years material and workmanship

Inverter	SL-D4KTR-H25	SL-D6KTR-H25	SL-D8KTR-H25	SL-D10KTR-H25	SL-D12KTR-H25	SL-D15KTR-H40
Recommended Max. input power [kW]	6.0	9.0	12.0	15.0	18.0	22.5
Start-up voltage [V]	135	135	135	135	135	135
Max. DC input voltage* [V]	1000	1000	1000	1000	1000	1000
Rated DC input voltage [V]	620	620	620	620	620	620
MPPT voltage range** [V]	120-950	120-950	200-950	200-950	200-950	200-950
No. of MPP trackers	2	2	2	2	2	2
No.of DC inputs per MPPT	1/1	1/1	1/1	1/1	1/1	2/2
Max. input current [A]	15/15	15/15	15/15	15/15	15/15	30/30
Max short-circuit current [A]	20/20	20/20	20/20	20/20	20/20	40/40

Battery Side	
Battery type	Lithium Battery (with BMS)
Battery voltage range [V]	135-750
Maximum charging/discharging current [A]	25/25
	40/40

Grid Side						
Rated output power [kW]	4.0	6.0	8.0	10.0	12.0	15.0
Max. output apparent power [kVA]	4.4	6.6	8.8	11.0	13.2	16.5
Max. input apparent power*** [kVA]	8.0	12.0	16.0	16.5	16.5	30
Max. charging power of battery [kW]	4.0	6.0	8.0	10.0	12.0	15
Rated AC vottage	3L/N/PE; 220/380V;230/400V;240/415V					
Rated AC frequency [Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Max. output current [A]	6.7	10.0	13.3	16.5	20.0	33.5
Power factor	0.8 leading ... 0.8 lagging					
Max. total harmonic distortion	<3% @Rated output power					

DCI	<0.5%In	<0.5%In	<0.5%In	<0.5%In	<0.5%In	<0.5%In
Back-up side						
Rated output power [kW]	4.0	6.0	8.0	10.0	12.0	15.0
Max. output apparent power [kVA]	4.4	6.6	8.8	11.0	13.2	16.5
Max. output current [A]	6.7	10.0	13.3	16.5	20.0	25.0
UPS switching time	<10ms	<10ms	<10ms	<10ms	<10ms	<10ms
Rated output voltage	3L/N/PE; 220/380V;230/400V;240/415V					
Rated output frequency [Hz]	50/60	50/60	50/60	50/60	50/60	50/60
Peak output apparent power****[kVA]	8,60s	12,60s	16,60s	20,60s	20,60s	25,60s
Voltage harmonic distortion	<3% @linear load					

Efficiency	98.10%	98.10%	98.20%	98.20%	98.20%	98.40%	
Max. Efficiency	98.10%	98.10%	98.20%	98.20%	98.20%	98.40%	
European efficiency	97.30%	97.30%	97.40%	97.40%	97.40%	97.50%	
Compliance	IEC/EN 62109, IEC/EN 61000, EN50549-1, TOR Generator Type A, VDE-AR-N-4105						
Warranty	10 years						
Protection						General Data	
DC reverse polarity protection	Integrated					Over voltage category	PV-II Main: III
Battery input reverser connection protection	Integrated					Dimensions [W×H×D mm]	534×418×210
Insulation resistance protection	Integrated					Weight [kg]	26kg (4-12kW)/ 31kg (15kW)
Surge protection	Integrated					Protection Degree	IP65
Over-temperature protection	Integrated					Standby self-consumption [W]	<15
Residual current protection	Integrated					Topology	Transformerless
Islanding protection	Integrated					Operating Temperature Range [°C]	-30-60
AC over-voltage protection	Integrated					Relative Humidity	0-100
Overload protection	Integrated					Operating Altitude	3000 (>3000m derating)
AC short-circuit protection	Integrated					Cooling	Natural Convection(4-12kW) / Smart Fan(15kW)
						Noise Level [dB]	<25(4-12kW) / <40(15kW)
						Display	OLED&LED
						Communication	CAN, RS485, WiFi/LAN(Optional)

- *Max. operating DC voltage is 950V, max. withstanding DC voltage is 1000V
- **The maximum MPPT voltage and operating voltage upper limit will be reduced to 850V when inverter connects and works with battery
- ***Max apparent power from the grid means the maximum power imported from the utility grid used to satisfy the backup loads and charge the battery
- ****The output power will exceed the rated value only when the power in the PV array is sufficient, and the duration of the overload is related to the overload power

Battery	SL-BH-3-7	SL-BH-4-10	SL-BH-5-12	SL-BH-6-15	SL-BH-7-17	SL-BH-8-20
European efficiency						
No. of series battery	3	4	5	6	7	8
Rated energy [kWh]	7.68	10.24	12.8	15.36	17.92	20.48
Usable energy [kWh]	6	9.2	11.52	13.8	16.13	18.4
Rated voltage [V]	153.6	204.8	256	307.2	358.4	409.6
Charge current [A]	134.4-172.8	179.2-230.4	224-288	268.8-345.6	313.6-403.2	358.4-460.8
Rated capacity [Ah]	50					
Charge current [A]	25(Recommended)/50(MAX)					
Discharge current [A]	25(Recommended)/50(MAX)					
Cycle times	80% DOD, cycles >6000, residual capacity >70%					
Communication	RS485/RS232/CAN 2.0					
Protection function	Over voltage/Under voltage/Over temperature/Low temperature/Over current/Short circuit					
Size [W×D×H, mm]	710×320×639	710×320×776	710×320×913	710×320×1050	710×320×1187	710×320×1324
Weight [kg]	118	150.8	183.6	216.4	249.2	282

Working Conditions	
Installation	Indoor
Working temperature	-10°C-50°C
Optimum working temperature	20°C-60°C
Storage temperature	-30°C-60°C
Protection degree	IP54
Humidity	5%-95%
Altitude [m]	≤2000
Cooling	Natural
Certificate	CE,UN38.3, MSDS, CB/EMC, IP

Warranty	10 years					
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iBox	SL-BH12KR	SL-BH15KR	Mounting System	
DC Side			Product Name	Solar Mounting System
Max input/output voltage [V _{oc}]	1000	1000	Building Type	Pitched Roof
Max input/output current [A]	15	15	Tile Type	Concrete Tile, Clay Tile, Slate Tile
AC Side/Back-up			Tilt Angle	15-60°
Rated input/output voltage [V _{ac}]	415	415	Wind Load	0.52KN/m ²
Max input/output current [A]	20	25	Snow Load	0.6KN/m ²
Rated Frequency [Hz]	50/60	50/60	Applicable Solar Module	Framed
Working environments			Panel Layout	Portrait or Landscape
Operation Temperature [°C]	-10 ~ +50	-10 ~ +50	Design Standard	EN 1991-1-1: 2002
Relative Humidity	98% Non condensation	98% Non condensation		UNE EN1991-1-3-2018
Altitudes [m]	≤2000m	≤2000m		UNE EN 1991-1-4-2018
Protection degree	IP54	IP54	Main Material	AL6005-T6(Anodized)
Installation methods	Indoor, Hanging	Indoor, Hanging	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Standards & Certifications			Small Components	AL6005-T6(Anodized)
Standards	IEC61439-1, IEC61439-2	IEC61439-1, IEC61439-2	Color	Silver and black
Certifications	CE	CE	Certificate	TUV
Dimensions [W×H×D mm]	475×425×175	475×425×175		
Weight [kg]	18	20		
Warranty	5 years		Warranty	10 years