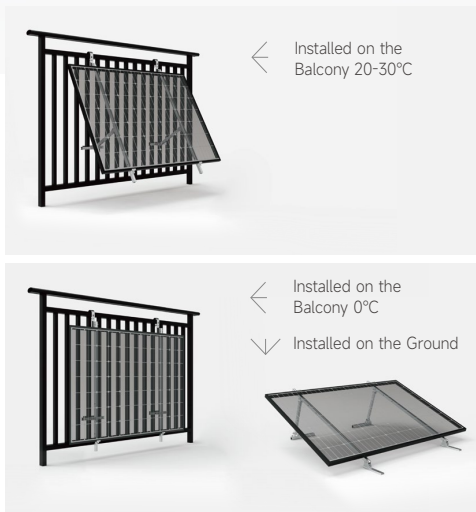


# iShare-Home Mini 2.0

System Capacity (W <sub>ac</sub> )	850
No. PV Modules (pcs) / 425W	2
Inverter (pcs) / SL-M600-C-Plus2048 / SL-M800-C-Plus2048	1
H1Z2Z2-K 1×6mm <sup>2</sup>	1.5m <sup>2</sup>
Mounting Structure (set)	2



## COMPONENTS

### PV MODULES

Model	SL-108NA-425
Maximum Power / W	425
Open-circuit Voltage / V	37.83
Short Circuit Current / A	14.05
Peak Power Voltage / V	31.94
Peak Power Current / A	13.31
Temperature Coefficient of short Circuit Current (I <sub>sc</sub> ) / A	+0.050%/°C
Temperature Coefficient of Open Circuit Voltage (V <sub>oc</sub> ) / V	-0.263%/°C
Temperature Coefficient of Peak Power (P <sub>max</sub> ) / W	-0.343%/°C
Max. Efficiency	21.76%
Dimension (L*W*H) / mm	1722×1134×30
Weight / kg	21.5
Certificate	IEC 61215, IEC 61730, IS 9001: 2015, ISO 14001:2015, IEC 62716, IEC 61701, IEC TS 62804-1, IEC 60068-2-68

### SL-M600/800-C-PLUS2048

#### SPECIFICATION

Battery Power	2048Wh±5%
	Lithium iron phosphate Batteries
AC Input Charging	AC174-264V Bi-directional inverter charging power 1400W MAX
CAR Input Charging	DC12-24V / 10A 240W Max
Solar Panel Input	PV18-100V / 15A 1200W Max
DC Output	1 × Cigarette Lighter 13.8V / 12A Max 2 × DC Rated Output 13.8V / 5A Max Total 12A Max
<b>AC Output</b>	
AC Continuous Output	2.2kW Max
AC Max Output	4.4kW@0.2 seconds
AC Voltage	230V <sub>AC</sub> ±10%
Output Frequency	50Hz±5%
Micro-Inverter Connection Output	600W / 800W MAX Adjustment of on-grid output power via APP
AC Plug Support	3x3-pin-EU outlet
USB Output	USB-A1: Blue QC18W Max, 5V2.4A & 9V2A & 12V1.5A QC3.0 USB-A2: Blue QC18W Max, 5V2.4A & 9V2A & 12V1.5A QC3.0 USB-C1: PD100W Max, 5V3A & 9V3A & 12V3A & 15V3A & 20V5A PD3.0 USB-C2: PD27W Max, 5V3A & 9V3A & 12V2.25A & 15V1.8A & 20V1.35A
Bulb Type	3W Max, 3 Levels (L/M/H) + SOS
Operation Temperature	0°C-40°C
Lifecycle 25°C 90%DOD Cycle Life	After 3500 cycles, Capacity retention≥70% Initial Capacity (Charge and discharge power ≤ 1000W per time, under 25°C ambient temperature Cycle Life)
Charge While Discharge	Support
Product Size	465*260*295mm L*W*H
Product Weight	23kg
MultiSafety Protections	a. Short-circuit protection b. Over-current protection c. Over-voltage protection d. Low-voltage protection e. Over-load Protection f. Over-temperature protection
Certification	VDE4105/CE/ROHS/UN38.3/MSDS/OCEAN/AIR Shipment Report
Accessories	1 × AC Power Cord-EU Standard AC 1 × XT60 TO Car Cigarette Cable XT60 1 × XT60 to MC4 Conversion Cable XT60 TO MC4

DC OUTPUT PARAMETERS							
Outputs	USB Outputs				5521DC/DC		Cigarette Lighter
Item	USB-A1	USB-A2	USB-C1	USB-C2	DC1	DC2	
Output Voltage Range (V)	5V-12V AUTO	5V-12V AUTO	5V-20V AUTO	5V-20V AUTO	12.8V		
Output Voltage Range (V)	5V-12V AUTO	5V-12V AUTO	5V-12V AUTO	5V-12V AUTO	12.8V		
Ripple & Noise	<150 mV	<150 mV	<200 mV	<200 mV	<150 mV		
Output Current	5V2.4A&9V2A&12V1.5A	5V2.4A&9V2A&12V1.5A	5V3A&9V3A&12V3A&15V3A&20V5A	5V3A&9V3A&12V2.25A&15V1.8A&20V1.35A	5A	5A	12A±0.5A
Over Current Point	>3.1A	>3.1A	>5.1A	>3.1A	13A±0.5A		
Rated Power	18W Max	18W Max	100W Max	27W Max	60W Max		150W Max
Over-Load Protection	Recover when loads removed and re-connection					Locked,need restart	
Short-Circuit Protection	Recover when loads removed and re-connection					Locked,need restart	
Remark	1.Ripple&Noise test method: Connect the unit and the loads by a 30cm long stranded wire. Load is connected with A 0.1uF ceramic disk capacitor & 10uF electrolytic (low ESR) capacitor. Test the load with 20M oscilloscope. 2.When DC and AC Output work at the same time, the maximum output power shall not be exceed 2200W 3.When DC Output work at the same time, the maximum output power shall not be exceed 350W 4.DC1-DC2 and Cigarette port total output current do not exceed 12A.						

INVERTER PARAMETERS					
Item	Min	Typical	Max	Unit	Remark
Output Voltage Range (V)	200	230	240	V	Bypass Mode, the output voltage follows the mains voltage.
Output Frequency	50Hz			Hz	Bypass Mode, the output frequency follows the mains frequency.
Rated Power	Inductive load	2200W MAX		W	PF≥0.8
	Capacitive load	≥1760W			
	Capacitive load	≥1760W			
Output VA	230V / 9.57A Max			VA	
Surge Power (Resistive load)	4400W@0.2s			W	
Standby Power	≤30W				
Efficiency (Resistive load)	>88%				
Over-load Power (Resistive load)	2400±100W@Continuous≥4400W@0.2S			W	
UPS Conversion Time	≤10MS				
Overload Protection Mode	Locked,need re-start				
Short Circuit Protection Mode	Locked,need re-start				
Over Temperature Protection Mode	Locked,need re-start				
Heat-Dissipating Method	Built-in Cooling Fan				
The Conditions For Cooling Fan Starting	When the temperature inside the unit is ≥ 60 °C or the AC load power is ≥ 400W, the cooling fan will automatically start. The speed of cooling fan varies with the temperature value or AC load power.				

BATTERY PACK						
Range	Min	Typical	Max	Unit	Remark	
Battery Type	Lithium iron phosphate Batteries					
Battery Pack	16 String 2 Parallel					
Battery Capacity	2048Wh±5%				Wh	
	(40Ah/51.2V or Equivalent 640000mAh / 3.2V)					
Charge Voltage	DC12	---	100	V	Product	
Charge Cut-off Voltage	56.8	57.6	58.4	V	Battery	
Undervoltage / Overvoltage Protection	40	/	59.5	V	Battery	
Capacity Conversion Rate	83%	---	---	%		
Time of Charging	AC Charging (Silent Charging Mode)	6h00m	---	7h00m		
	AC Charging (Normal Charging Mode)	4h00m	---	5h00m		
	AC Charging (Quick Charging Mode)	1h30m	---	2h00m		
	12V Car Charging	14h00m	---	16h00m	Start Car Charging	
	24V Car Charging	7h00m	---	8h00m	Start Car Charging	
	Solar Charging	Affected by sunlight intensity, solar panel type and power, 2*36V 500W solar panels 2-3 hours in full sun.				

ENVIRONMENT	
Work Temperature	0°C-40°C
Work Humidity	20%-85%RH
Storage Temperature	-20°C-60°C
Storage Humidity	20%-85%RH



MAIN COLUMN  
26\*29\*1.1, L=1300mm



RAILING HORIZONTAL SUPPORT  
26\*29\*1.1, L=280mm



CROSS BRACE  
26\*26\*1.5, L=400mm



PEDESTAL  
95\*45\*3.5, L=30mm



PEDESTAL  
95\*45\*3.5, L=30mm



HOOP  
35\*12\*2.0(SUS304)



HOOK  
190\*70\*40\*2.0(SUS304)



END CLAMPS  
L=50mm

MOUNTING STRUCTURE			
Type	Power Balcony Easy Mounting System	Warranty	10 year
Application	Ground / Balcony / Guardrail	Max Wind Speed	35m/s
Tilt Angle	0°, 20°-30° Adjustable	Max Snow Load	1.0KN/m <sup>2</sup>
Material	AL6005-T5, Steel, SUS304	Color	Natural Silver or Black
Panel Layout	Landscape (Horizontal)	Design Standard	AS / NZS 1170, DIN 1055, JIS C8955: 2017, EN 1991-1, IBC 2000
Max Panel width	1150mm		