



SOLAR POWER SYSTEM



Product Portfolio



Uhome-LFP 5000



Uhome-LFP 2400



Uhome-LFP 2500



Uhome-LFP 2600HV



Key Features

- Assembly freely in series or parallel
Up to 8S8P(448V326.4kWh)
- High energy efficiency
Energy efficiency(charge and discharge)>97%
- High Rate Charge & Discharge
Nominal 0.6C, Max 0.8C
- More Safety
Dual hardware & Triple software protection
- Safe and Reliable BMS
Relay design instead of mosfet
- Long Life
Reliable LFP cells,Cycle life >6000 cycles
- High Reliability
Key devices(Relay,Fuse) approved by UL and TUV
- More Smart
With digital monitor system App with WIFI
- Smart Design & Easy installation
Plug in & off
- More Quiet
Without fan,more quiet and reduce the fan failure risk

Technical Properties

Model		Uhome-LFP 5000	Uhome-LFP 2400	Uhome-LFP 2500	Uhome-LFP 2600HV
Total Energy(DC)*		5.1kWh	2.4kWh	2.5kWh	2.56kWh
Usable Energy(DC)*		4.6kWh	2.2kWh	2.2kWh	2.2kWh
Nominal Dis-/Charge Power		3.0kW	1.5kW	1.5kW	1.5kW
Peak Power(Only Discharge)		6kW for 3s	3kW for 3s	3kW for 3s	3kW for 3s
Constant Current(Only Discharge)		80A	40A	40A	20A
Voltage		48~56Vd.c	48~56Vd.c	48~56Vd.c	96~112Vd.c
Nominal Voltage		51.2Vd.c	51.2Vd.c	51.2Vd.c	102.4Vd.c
Nominal Current		60A	30A	30A	15A
Max. Charge Voltage		57.6Vd.c	57.6Vd.c	57.6Vd.c	115.2Vd.c
Weight		45kg	27.5kg	23kg	24kg
Dimension(mm)		500*442*135mm	500*442*133mm	500*442*88mm	500*442*88mm
Max.recommended DOD		90%			
Operating Condition		Indoor			
Operating Temperature	Charge	From 0~50℃			
	Discharge	From -10~55℃			
WIFI Frequency Range		2400MHz~2483MHz			
Humidity		<60%(No condensed water)			
Pollution Degree		3			
Over Voltage Category		II			
Cooling Type		Natural cooling			
Case Material		Metal			
Color		Black or White			
Installation		Wall mounting/Ground Installation			
IP rating		IP 20			
Protective Class		I			
Max. Connection Number		8S/4P	8S/8P	8S/8P	6S
Warranty		10 years			
Life Span		>15 years			
Communication		CAN/ RS485			
Protection Mode		Dual hardware protection			
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety		Cell UL 1973	Cell UL 1973	Cell TUV	Cell TUV
		CE	Pack TUV/CE	CE	CE
Hazardous Material Classification		9			
Transportation		UN 38.3			

Testing conditions based on temperature 25℃ at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from ABOET 0.2C CC-CV

Product Portfolio



Uhome-LFP
5kWh/LV



Uhome-LFP
5.8kWh/LV



Uhome-LFP
7.5kWh/LV



Uhome-LFP
10kWh/LV

Key Features

- Digital monitoring system APP
- High inverter compatibility
- Reliable LFP cells
- CANbus standard connection
- Natural cooling system
- Scalable up to 20-40kWh (4 Parallel)
- 10 Years limited warranty
- IP65

Technical Properties

Model		Uhome-LFP 5kWh/LV	Uhome-LFP 5.8kWh/LV	Uhome-LFP 7.5kWh/LV	Uhome-LFP 10kWh/LV
Total Energy(DC)*		5.1kWh	5.8kWh	7.5kWh	10kWh
Usable Energy(DC)*		4.6kWh	5.3kWh	6.9kWh	9.2kWh
Nominal Dis-/Charge Power		3.0kW	2.75kW	3.75kW	4.6kW
Peak Power(Only Discharge)		6kW for 3s	7kW for 3s	8kW for 3s	10kW for 3s
Constant Current(Only Discharge)		80A	100A	110A	120A
Voltage		48~56Vd.c	42~54Vd.c	48~56Vd.c	48~56Vd.c
Nominal Voltage		51.2Vd.c	48Vd.c	51.2Vd.c	51.2Vd.c
Nominal Current		60A	57A	75A	90A
Max. Charge Voltage		57.6Vd.c	54.0Vd.c	57.6Vd.c	57.6Vd.c
Weight		55kg	66kg	82kg	96kg
Dimension(mm)		525*537*238mm	525*635*238mm	525*825*238mm	525*825*238mm
Max.recommended DOD		90%			
Operating Condition		Indoor or outdoor			
Operating Temperature	Charge	From 0~45℃			
	Discharge	From -10~50℃			
WIFI Frequency Range		2400MHz~2483MHz			
Humidity		4~100%(No condensed water)			
Pollution Degree		3			
Over Voltage Category		II			
Cooling Type		Natural cooling			
Case Material		Metal + Plastic			
Color		Black+Silver grey or White			
Installation		Free standing			
IP rating		IP 65			
Protective Class		I			
Max. Number of Parallel or Series		4			
Warranty		10 years			
Life Span		>15 years			
Communication		CAN/ RS485			
Protection Mode		Triple hardware protection			
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety		Cell UL 1973	Cell UL 1973	Cell UL 1973	Cell UL 1973
		CE	Pack TUV/CE	CE	CE
Hazardous Material Classification		9			
Transportation		UN 38.3			

Testing conditions based on temperature 25℃ at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from ABOET 0.2C CC-CV

Product Portfolio



Key Features

- Visual interface, real-time monitoring of product status
- User data security
- Remote software program update, fault diagnosis
- Easy installation
- High energy density

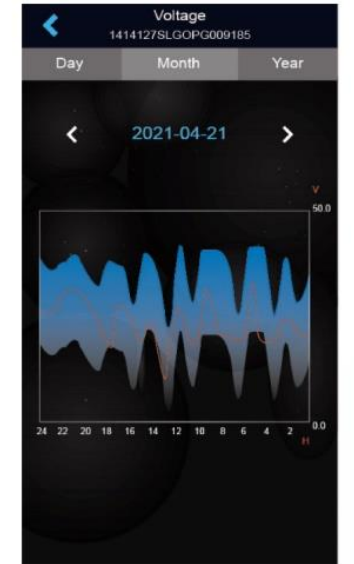
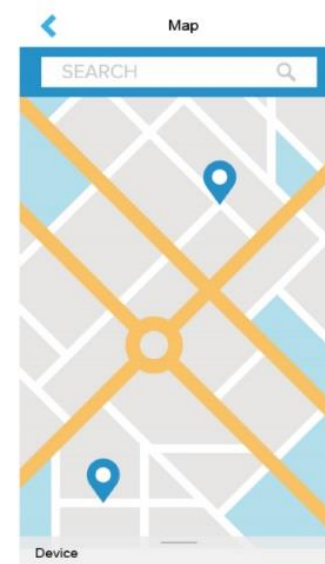
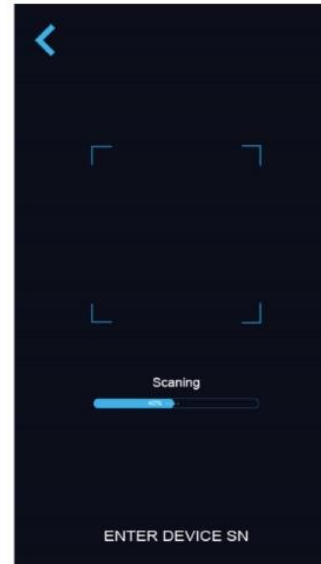
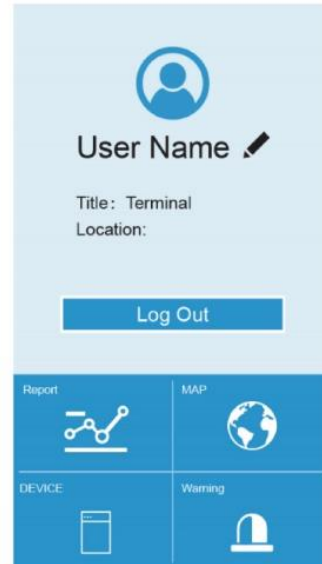
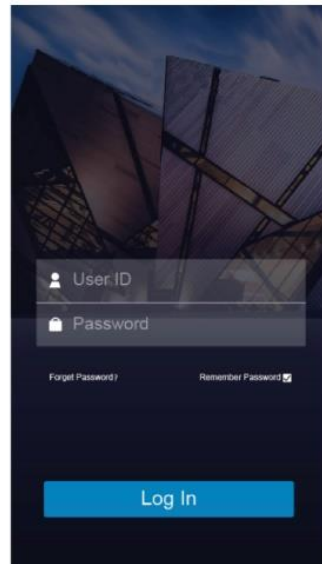
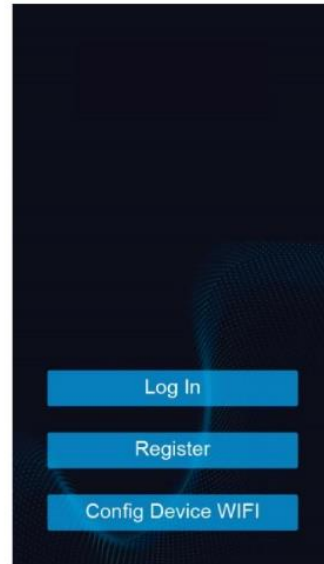
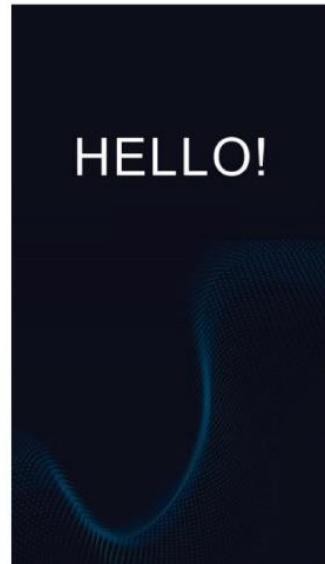
Technical Properties

Model	Uhome-LFP 2.4-19.2	
Total Energy(DC)*	2.4kWh	
Usable Energy(DC)*	2.2kWh	
Nominal Dis-/Charge Power	1.4kW	
Peak Power(Only Discharge)	2.9kW for 3s	
Constant Current(Only Discharge)	40A	
Voltage	45~52.5Vd.c	
Nominal Voltage	48Vd.c	
Nominal Current	30A	
Max. Charge Voltage	54Vd.c	
Weight	28kg	
Dimension(mm)	600*300*172mm	
Max.recommended DOD	90%	
Operating Condition	Indoor or outdoor	
Operating Temperature	Charge	From 0~50℃
	Discharge	From -10~55℃
WIFI Frequency Range	2400MHz~2483MHz	
Humidity	<60%(No condensed water)	
Pollution Degree	3	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal + Plastic	
Color	Black or White	
Installation	Wall mounting/Ground Installation	
IP rating	IP 20	
Protective Class	I	
Max. Number of Parallel	8S/8P	
Warranty	10 years	
Life Span	>15 years	
Communication	CAN/ RS485	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	Cell UL 1973	
	Pack CE, TUV(62619, 62040), UL(1973)	
Hazardous Material Classification	9	
Transportation	UN 38.3	

Testing conditions based on temperature 25℃ at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from ABOET 0.2C CC-CV

Monitoring System



A screen titled 'Device List' showing a table of device information. The table has columns for device ID, status, SOC, and current.

Device ID	Status	SOC	Current
1414127SLGPG009185	Online	59.4	103.8
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1414127SLGPG009185	Online	59.4	103.8
1414127SLGPG009185	Online	59.4	103.8

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1414127SLGPG009185	Online	59.4	103.8
1414127SLGPG009185	Online	59.4	103.8

A screen for system updates. It includes fields for 'Installer', 'Distributor', 'Manufacturer', 'Phone', and 'E-mail'. Below are buttons for 'Firmware Upgrade', 'Device Upgrade', 'APP Upgrade', and 'Complain'.

A screen titled 'Warning' showing a table of warning messages. The table has columns for device ID, warning type, and time.

Device ID	Warning Type	Time
1414127SLGPG009185	Communication Level 1	2021-04-19 09:07:48
1414127SLGPG009185	Communication Level 1	2021-04-19 09:07:48
1414127SLGPG009185	Communication Level 1	2021-04-19 09:07:48

A screen titled 'Relay' showing a table of relay status. The table has columns for device ID, relay status, and time.

Device ID	Relay Status	Time
1414127SLGPG009185	Device Total: 91 Online: 58 Alarms: 55	2021-04-19
1414127SLGPG009185	Device Total: 91 Online: 58 Alarms: 55	2021-04-19
1414127SLGPG009185	Device Total: 91 Online: 58 Alarms: 55	2021-04-19
1414127SLGPG009185	Device Total: 91 Online: 58 Alarms: 55	2021-04-19
1414127SLGPG009185	Device Total: 91 Online: 58 Alarms: 55	2021-04-19

