

UHome Series 3~8KW Single Phase All in One ESS

UHome-3~8K0L series is an all-in-one solar and storage solution, which integrates the inverter, battery charger, UPS and battery into a pre-wired modular system for easier and faster installation, which reduce the installation time of up to 50%.

Compact, elegant appearance with IP65 design, so it can be mounted indoor or outdoor withstanding all weather conditions.



Leading Technology

- Max. 14A PV input current per string
- 97.6% max. efficiency



Easy Installation

- Modular all in one design, quick installation with plug&play
- Flexible battery capacity expansion, 5~30kWh



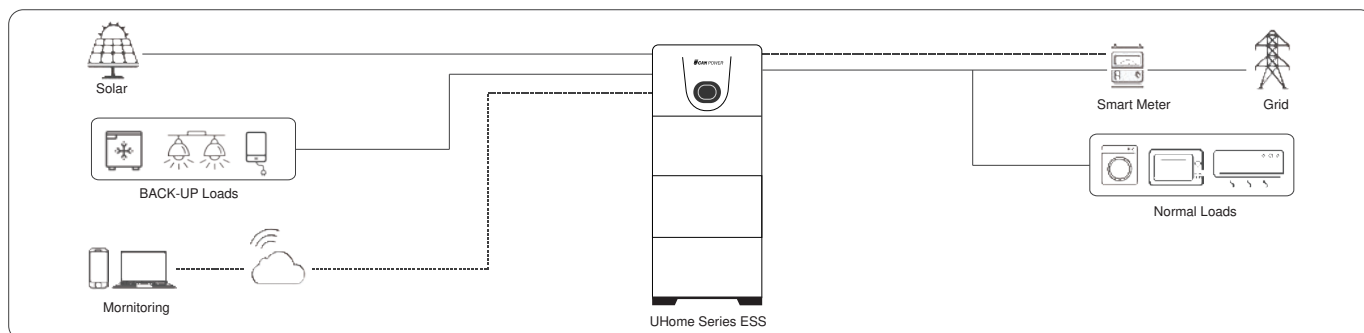
High Reliability

- IP 65 rating, indoor and outdoor installation
- LiFePO4 battery cell, safety and reliable



User-Friendly

- Real-time monitoring and parameter control through APP
- Ideal for residential application with low operating noise



Model	UHome-3K0L	UHome-3K6L	UHome-4K0L	UHome-4K6L	UHome-5K0L	UHome-6K0L	UHome-8K0L
Inverter							
Rated battery voltage	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V	51.2V
Max. Charging Power	3000W	3680W	4000W	4600W	5000W	6000W	8000W
Max. charge/discharge current	60/60A	72/72A	80/80A	92/92A	100/100A	120/120A	160/160A
Max. input power	4500W	5400W	6000W	6900W	7500W	9000W	12000W
Max. PV voltage	550V						
Start-up voltage	100V						
Rated DC voltage	360V						
MPPT voltage range	80-500V						
No. of MPP trackers	2						
No. of string per MPP tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/2
Max. input current	14/14A	14/14A	14/14A	14/14A	14/14A	14/14A	14/28A
Rated output power for on-grid and off-grid	3000W	3680W	4000W	4600W	5000W	6000W	8000W
Rated output current	13A	16A	17.4A	20A	21.7A	26A	35A
Max. output current	14.3A	16A	19.1A	20A	21.7A	28.7A	38.3A
Rated output voltage	L/N/PE, 220V, 230V						
Rated frequency	50/60Hz						
THDv	<3%						
Overload ability	110%, 60s /120%, 30s /150%, 10s						
Switch time	<20ms						
Inverter topology	Non-isolated						
Max. efficiency	97.6%						
Euro efficiency	97.0%						
Max. battery charge/discharge efficiency	95.0%						
Weight	34kg						
Dimension [W x D x H]	675*200*415mm						
Battery module							
Battery type	Li-ion (LFP)						
Rated battery voltage	51.2V						
Battery voltage range	44.8-57.6V						
Capacity	5.12kWh						
Weight	53.6kg						
Dimension [W x D x H]	675*200*365mm						
System Parameters							
System Structure							
Rated output power	3000-8000W						
Number of battery	1	2	3	4	5	6	
Battery capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	
Operating temperature	0°C~50°C (Charging) / -15°C~50°C (Discharging)						
Noise	<25dB						
Humidity	0~100%						
Cooling strategy	Natural						
Enclosure protection rating	IP65						
Communication	RS485/WiFi						
Operating altitude	4000m(>3000m power derating)						
Weight	93kg	147kg	201kg	255kg	124kg/201kg	178kg/201kg	
Dimension [W x D x H]	675*200*840mm	675*200*1205mm	675*200*1570mm	675*200*1935mm	675*200*985mm 675*200*1570mm	675*200*1350mm 675*200*1570mm	
Certificate							
EMC	EN61000						
Safety	IEC62109-1, IEC62109-2						
Grid	EN50549-1, VDE-AR-N-4105, CEI 0-21, AS/NZS 4777						

Information may be subject to change without notice during product improving.