

NEWBATT, Bring Energy to Life!

NEWBATT
ENERGY WEALTH

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, 5~40kWh



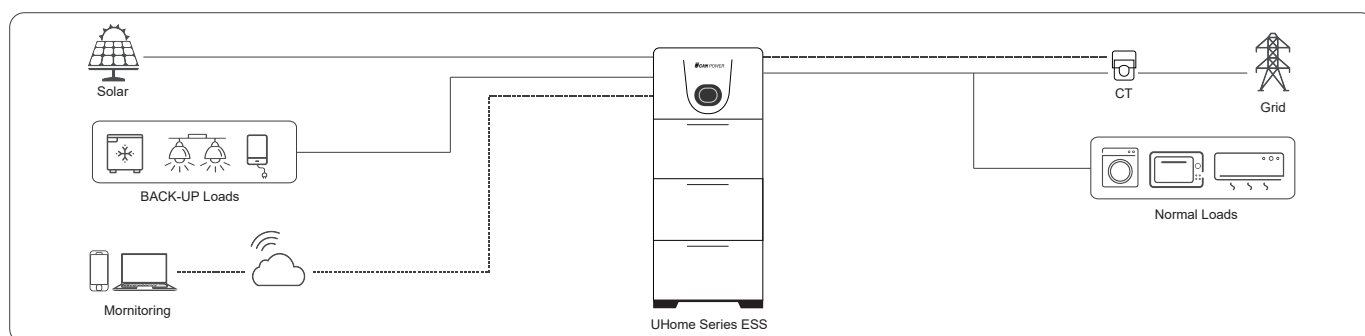
High Reliability

- 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	7	8
Battery capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh
Operating temperature	0℃~50℃ (Charging) / -15℃~50℃ (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	178kg/255kg	232kg/255kg
Dimension [W x D x H]	675*200*840	675*200*1205	675*200*1570	675*200*1935	675*200*985 675*200*1570	675*200*1350 675*200*1570	675*200*1350 675*200*1935	675*200*1715 675*200*1935
Certificate								
EMC	EN61000							
Safety	IEC62109-1, IEC62109-2							
Grid	EN50549-1,VDE-AR-N-4105, CEI 0-21, C10/11, NRS097-2-1, G98&G99, NTS-631 TYPE A							