

# UHOME-NCA Data Sheet

## Home Energy Storage System



UHOME ESS is a new designed modular lithium energy storage system which can help to optimize home solar energy solution for users (like peak load shifting, back up power and off-grid energy supply).

The UHOME ESS appearance combines ergonomics and modern industrial aesthetically design, lifespan more than 15 years. The modular design makes multiple units connected easily, increase battery capacity and significantly reduce carbon emission.

AOBO ENVIRONMENTAL NEW ENERGY (WUXI) CO., LTD

# Technical Properties >>>

Model	UHOME-NCA 6.8kWh/LV
Total Energy*	6.8 kWh
Usable Energy(DC)*	6.0 kWh
Nominal Charge/Discharge Power	3KW
Efficiency	>97%
Peak Power (only discharging)	7kW for 3 sec.
Peak Current (only discharging)	135A for 3 sec.
Voltage	43-57.5DC
Nominal Voltage	50.4V DC
Nominal Current	60A
Max. charging voltage	58.8V
Recommended peukert setting(off-grid)	1.05
Max recommended DOD (off-grid)	90%
Operating Condition	Indoor or outdoor
Operating Temperature	From -10°C to 45°C
Operation humidity	25-95% RH
Dimension (L*W*H)	525*675*238 mm
Weight	62kg
Cooling Type	Natural cooling
Case Material	Metal + Plastic
Color	Black + Silver gray or white
Installation	Free standing
IP Rating	IP65
Max numbers of parallel connection	4
Warranty	10Years (daily cycle)
Life Span	>15 Years
Communication	CAN, RS 485
Protection Mode	Triple Hardware Protection
Battery Protection	Over-current, Over-voltage, Short circuit, Under-voltage, Over-temperature
Certification	
Safety	Cell UL1642
	Battery Pack TUV (IEC 62619)
Hazardous Materials Classification	Class 9
Transportation	UN38.3 (UNDOT)

Testing conditions based on temperature 25°C, at the beginning of life.

※ Total Energy/Usable Energy measured under specific conditions from AOB0ET 0.2C CC-CV