

UCanPower, Bring Energy to Life!



UHB-100 High Voltage Battery System

UHB-100 series is a high voltage battery that offers multiple energy storage options through an expandable modular design (3-10 modules combined), which further simplifies installation and O&M with multiple smart functions.

The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.

-  Original battery active balance technology
-  Easy installation with modular and stacked design
-  Flexible capacity options, 15.36kWh to 51.2kWh
-  Remote diagnosis and real-time data monitoring

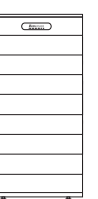
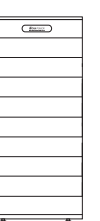
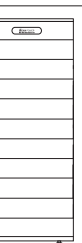


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Model	UHB-100							
Electrical Parameters								
	T3	T4	T5	T6	T7	T8	T9	T10
								
NO. Of Series Battery	3	4	5	6	7	8	9	10
Rated Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2
Usable Energy (kWh)	13.8	18.4	23	27.6	32.2	36.8	41.4	46
Rated Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Voltage Range (V)	134.4~172.8	179.2~230.4	224~288	268.8~345.6	313.6~403.2	358.4~460.8	403.2~518.4	448~576
Battery Type	Li-ion (LFP)							
Battery pack series and parallel connection	1P*16S							
Rated Capacity(Ah)	100							
Charge Current(A)	50A (Rated) /100A (Maximum)							
Discharge Current (A)	50A (Rated) /100A (Maximum)							
Cycle Times	80% DOD, >10000 times, Remaining capacity >60%							
Communication	RS-485 / RS-232 / CAN 2.0							
Protection function	Over voltage / Under voltage / Over temperature / Low temperature / Over current / Short circuit							
Weight (kg)	154.4	199.8	245.2	290.6	336	381.4	426.8	472.2
Dimension [W x D x H, mm]	620*365*644	620*365*738	620*365*922	620*365*1061	620*365*1200	620*365*1339	620*365*1478	620*365*1617
Working Conditions								
Installation	Indoor							
Working temperature	Charge: 0°C~55°C; Discharge: -20°C~55°C							
Optimum working temperature	20°C~30°C							
Storage temperature	20°C~30°C							
Humidity	5%-95% (No condensation)							
Altitude	≤2000m							
Enclosure protection rating	IP20							
Cooling	Natural cooling							
Certificate	CE, UN38.3, MSDS							

Information may be subject to change without notice during product improving