

Wall-Mounted & Stackable Energy Storage System

The UNIV Modular Stackable Lithium Battery is a versatile and reliable energy storage solution that offers flexible capacity expansion and easy installation. This battery is equipped with advanced monitoring and control systems that provide real-time data on battery performance via uplink and optional Bluetooth connectivity. Installation, capacity expansion, and battery maintenance are made more convenient thanks to the wireless and blind-mating connections between modules. This means that users can easily add or remove battery modules as needed. The UNIV Modular Stackable Lithium Battery is widely used in various applications, including residential, industrial, and commercial energy storage fields, as well as renewable energy systems.

Features And Advantages



Real-time Data Monitoring with Bluetooth



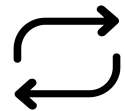
Superior BMS with Brand Battery Cell



10 Years Warranty



Flexible Capacity Expansion



> 8000 Cycle Times



Both Indoor and Outdoor Installation

Lithium Battery

Wall-Mounted & Stackable Series



Specification

MODEL		UNIV-LV ST5000
BATTERY PARAMETERS		
Total Energy (Wh)		5120
Useable Energy (Wh)		4813
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		100
Recommend Current (A)	Charge	50
	Discharge	50
Depth of Discharge (DOD)		90%
Scalability		Max 16 in Parallel
Dimension (W *H* D) (mm)		400*600*156
Weight (KG)		42.5
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance
Communication		CAN/RS485
OPERATING CONDITION		
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature		15°C ~ 35°C (59°F ~ 95°F)
IP Rating		IP20
Installation Type		Wall-Mounted & Stackable
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		<4000 m
CERTIFICATION AND SAFETY		
Warranty		10 Years
Operation Life		15+ Years (25°C/77 °F)
Cycle Life		> 8000@25°C, 80%DOD
Certification		CE/Cell UL 1973
Transportation Certification		UN38.3/MSDS

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

Lithium Battery

Wall-Mounted & Stackable Series



Specification

MODEL	UNIV-LV ST20k	UNIV-LV ST40k
Component	4*Modules 1*Base	8*Modules 1*Base
BATTERY PARAMETERS		
Total Energy (Wh)	20480	40960
Useable Energy (Wh)	19251	38502
Nominal Voltage (Vd.c)	51.2	51.2
Voltage Range (Vd.c)	44.8 ~ 57.6	44.8 ~ 57.6
Rated Capacity (Ah)	408	816
Recommend Current (A)	Charge	408
	Discharge	408
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	600*724*400	620*1324*360
Weight (KG)	176	356
BMS Features	Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance	
Communication	CAN/RS485	
OPERATING CONDITION		
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	15°C ~ 35°C (59°F ~ 95°F)	
IP Rating	IP20	
Installation Type	Stackable	
Cooling Type	Natural	
Operating Environment	Indoor (5% ~ 95%(RH) No Condensing)	
Altitude	<4000 m	
CERTIFICATION AND SAFETY		
Warranty	10 Years	
Operation Life	15+ Years (25°C/77 °F)	
Cycle Life	>8000@25°C, 80%DOD	
Certification	CE/Cell UL 1973	
Transportation Certification	UN38.3/MSDS	

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Wall-Mounted & Stackable Series

Specification

MODEL		UNIV-LV ST7600
BATTERY PARAMETERS		
Total Energy (Wh)		7680
Useable Energy (Wh)		7219
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		150
Recommend Current (A)	Charge	75
	Discharge	75
Depth of Discharge (DOD)		90%
Scalability		Max 16 in Parallel
Dimension (W *H* D) (mm)		440*660*156
Weight (KG)		62
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance
Communication		CAN/RS485
OPERATING CONDITION		
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature		15°C ~ 35°C (59°F ~ 95°F)
IP Rating		IP20
Installation Type		Wall-Mounted & Stackable
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		<4000 m
CERTIFICATION AND SAFETY		
Warranty		10 Years
Operation Life		15+ Years (25°C/77 °F)
Cycle Life		>8000@25°C, 80%DOD
Certification		CE/Cell UL 1973
Transportation Certification		UN38.3/MSDS

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Specification

MODEL	UNIV-LV ST31k	UNIV-LV ST61k
Component	4*Modules 1*Base	8*Modules 1*Base
BATTERY PARAMETERS		
Total Energy (Wh)	30720	61440
Useable Energy (Wh)	28877	57754
Nominal Voltage (Vd.c)	51.2	51.2
Voltage Range (Vd.c)	44.8 ~ 57.6	44.8 ~ 57.6
Rated Capacity (Ah)	600	1200
Recommend Current (A)	Charge	300
	Discharge	300
Depth of Discharge (DOD)	90%	
Dimension (W *H* D) (mm)	600*724*400	620*1324*360
Weight (KG)	258	508
BMS Features	Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance	
Communication	CAN/RS485	
OPERATING CONDITION		
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	15°C ~ 35°C (59°F ~ 95°F)	
IP Rating	IP20	
Installation Type	Stackable	
Cooling Type	Natural	
Operating Environment	Indoor (5% ~ 95%(RH) No Condensing)	
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CERTIFICATION AND SAFETY		
Warranty	10 Years	
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