

FlexiStack Lithium Battery - Versatile Energy Storage Solution

The UNIV FlexiStack Lithium Battery Series offers a modular design that allows for both wall-mounting and stacking expansion, providing scalable capacity to meet diverse energy needs. It features advanced monitoring systems that deliver real-time performance data, with optional Bluetooth connectivity for enhanced user control. The series is designed for easy installation and seamless integration, making it a versatile and efficient energy storage solution for various applications

Features And Advantages



Real-time Data
Monitoring with
Bluetooth



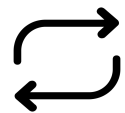
Superior BMS
with Brand
Battery Cell



10 Years Warranty



Flexible Capacity
Expansion



> 8000 Cycle Times



Both Wall-Mounted
and Stacking
Installation

Lithium Battery

Wall-Mounted Version (Single Battery Module)



Specification

MODEL		UNIV5100W
BATTERY PARAMETERS		
Total Energy (kWh)		5.12
Useable Energy (kWh)		4.81
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
Peak Charge Current (A)		100
Peak Discharge Current (A)		101 ~ 110A @ 1 hour 111 ~ 250A @ 10 sec
Recommend Using DOD		90%
Dimension (W *H* D) (mm)		410*600*155
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

Stacking Version (Battery Pack)



Specification

MODEL		UNIV-LV ST20k	UNIV-LV ST40k
Component		4*Modules 1*Base	8*Modules 1*Base
BATTERY PARAMETERS			
Total Energy (kWh)		20.5	41
Useable Energy (kWh)		19.3	39
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	204	408
	Discharge	204	408
Recommend Using DOD		90%	
Dimension (W *H* D) (mm)		600*740*410	600*1360*410
Weight (KG)		190	360
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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