EASYWAY
ENERGY

Lead to Lithium Battery

The UNIV Lithium Iron Phosphate Battery System is a versatile and reliable replacement for traditional lead-acid batteries. Designed for flexible energy storage, it allows customers to connect units in series or parallel to create larger capacity battery packs, meeting long-term power supply needs.

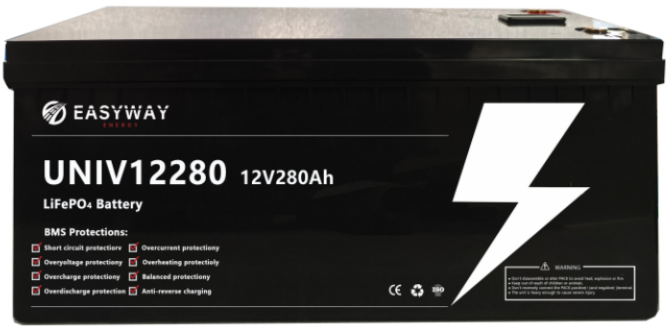
Ideal for high-temperature environments, compact spaces, extended backup times, and long service life, this system offers superior performance and efficiency for modern energy storage applications.

Lead to lithium Batteries , Known for their safety, long cycle life, and eco-friendliness, these batteries offer a reliable solution for modern energy storage needs.

Features And Advantages

Simple and Elegant Appearance

8000 Cycle Times



Simple Installation Design

Max. Scalability to 4 modules

Brand new Grade-A battery cell

Residential Energy Storage

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Specification

MODEL		UNIV12100	UNIV12150	UNIV12200	UNIV12280
BATTERY PARAMETERS					
Total Energy (Wh)		1280	1920	2560	3584
Useable Energy (Wh)		1203	1805	2406	3369
Nominal Voltage (Vd.c)		12.8	12.8	12.8	12.8
Voltage Range (Vd.c)		11.2 ~ 14.4	11.2 ~ 14.4	11.2 ~ 14.4	11.2 ~ 14.4
Rated Capacity (Ah)		100	150	200	280
Recommend Current (A)	Charge	50	75	100	140
	Discharge	50	75	100	140
Max. Current (A)	Charge	100	100	150	200
	Discharge	100	100	150	200
Depth of Discharge (DOD)		90%			
Dimension (W *H* D)(mm)		229*208*138	333*217*178	522*218*240	522*218*240
Weight (KG)		10	15	18	28
Scalability		Max 4 in Parallel/ Max 4 in series			
OPERATING CONDITION					
Operation Temperature	Charge	0℃ ~ 55℃ (32℉ ~ 131℉)			
	Discharge	-20℃ ~ 60℃ (-4℉ ~ 140℉)			
Storage Temperature		-20℃~50 ℃(-4℉ ~ 122℉)			
IP Rating		IP20			
Cooling Type		Natural			
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)			
Altitude		≤4000 m			
CERTIFICATION AND SAFETY					
Warranty		3 Years			
Operation Life		5+ Years (25°C/77 °F)			
Cycle Life		≥8000@25°C			
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.

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Voltage Range (Vd.c)		11.2 ~ 14.4
Rated Capacity (Ah)		100
Recommend Current (A)	Charge	50
	Discharge	50
Max. Current (A)	Charge	100
	Discharge	100
Depth of Discharge (DOD)		90%
Dimension (W *H* D)(mm)		229*208*138
Weight (KG)		10
Scalability		Max 4 in Parallel/ Max 4 in series
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