

UNIV7600_(HP)

15,36kWh - 61,44kWh
/ stack

>491,52kWh
/ inverter

7,68kWh
/ module



Scalable



Aerosol system



24/7 support
& monitoring



Liquid-protected



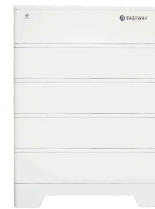
Easy installation



Advanced BMS
& high-quality cells



Lithium Battery Modular Stackable Series (HV)



Model	UNIV-HV ST15k	UNIV-HV ST23k	UNIV-HV ST31k
Components	2 Modules	3 Modules	4 Modules
	1 BMS	1 BMS	1 BMS
	1 Base	1 Base	1 Base

Battery Parameters			
Total energy (kWh)	15.36	23.04	30.72
Usable energy (kWh)	14.44	21.66	28.88
Nominal voltage (Vdc)	153.6	230.4	307.2
Voltage range (Vdc)	134.4 ~ 172.8	201.6 ~ 259.2	268.8 ~ 345.6
Rated capacity (Ah)	100		
Recommended current (A)	Charge:	50	
	Discharge:	50	
Recommended DoD	90%		
Dimensions (W×H×D, mm)	660*550*450	660*695*450	660*840*450
Weight (kg)	154	217	280
BMS Functions & Safety:	✓ Overvoltage protection	✓ Overcurrent protection	✓ Short-circuit protection
	✓ Aerosol-based fire suppression	✓ Cell balancing	✓ Overtemperature protection
Model type:	HP		
Communication:	CAN/RS485		

Operating Conditions		
Operating temperature	Charge:	0°C ~ 55°C (32°F ~ 131°F)
	Discharge:	-20°C ~ 55°C (-4°F ~ 131°F)
Storage temperature	-20°C ~ 55°C (-4°F ~ 131°F)	
IP rating	IP65	
Installation type	Floor-mounted	
Cooling	Natural convection	
Operating environment	Indoor (5–95% RH, non-condensing)	
Max installation altitude	≤2000 m	

Warranty & Safety	
Warranty	10 years ¹
Design lifetime	15+ years (25°C/77 °F)
Certifications	CE/Cell UL 1973/IEC62619
Transport certification	UN38.3/MSDS
Cycle life ²	≤8000 cycles / 10 years

Recommended and maximum continuous discharge current apply at a battery cell temperature of 10–40°C. Outside this range, discharge current may be reduced.

[1] 10-year warranty applies when the product is connected to the internet.

[2] Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

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