

RESIDENTIAL ESS SOLUTIONS

Free standing / Wall-mounted
Battery Energy Storage System

OSPOWER
Manufacture by Highstar

Model: UNIV-10.5kWh(WP)



Features And Advantages



Upgrade
Performance



Versatile Modules
3.5kWh ~ 16kWh
Simple and Elegant



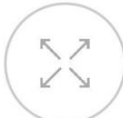
Real-time Data
Monitoring with
Bluetooth/PC



Superior BMS with
Brand Battery Cell



WiFi Remote
Monitoring



Large Scalability



Aerosol
Fire Protection



Cell Heating



High Water
Proofing Strength

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OSPOWER
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Model: UNIV-10.5kWh(WP)

Specification		
		UNIV-10.5kWh(WP)
BATTERY PARAMETERS		
Total Energy (kWh)		10.55
Useable Energy (kWh)		9.91
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		206
Recommend Current (A)	Charge	100
	Discharge	100
Max. Current (A)	Charge	100
	Discharge	150
Recommend Using DOD		90%
Scalability		Max 20 in Parallel
Dimension (W *H* D)(mm)		520*620*240
Weight (KG)		82
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection
		Low-voltage Protection/Over Temperature Protection/Cell Balance
User Interface		APP
Active fire protection system		Built-in aerosol fire extinguisher
Communication		CAN/RS485
OPERATING CONDITION		
Operation	Charge	0℃ ~ 55℃ (32°F ~ 131°F)
Temperature	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)
IP Rating		IP65
Installation Type		Free-Standing
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		≤2000 m
CERTIFICATION AND SAFETY		
Warranty		10 Years
Operation Life		15+ Years (25°C/77 °F)
Safety Certification		CE/Cell UL 1973
Transportation Certification		UN38.3/MSDS

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Free standing / Wall-mounted Battery Energy Storage System

OSPOWER
Manufacture by Highstar

Model: UNIV-10.5kWh(WP)

Compatible Inverter Brand

1. Low Voltage

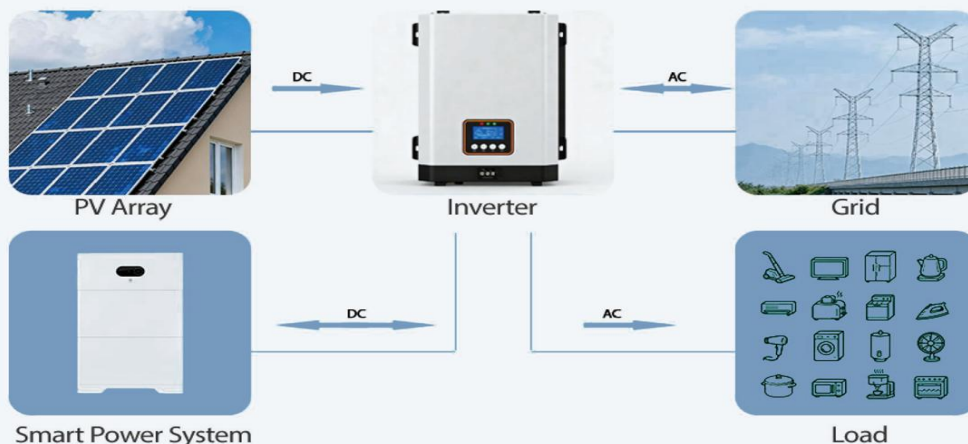
GOODWE, Solis, SUNGROW, CHINT POWER, Senergy, SOFAR, AISWEI, SINEXCEL, Growatt, SMA, Victron, hoymiles, LUXPOWER, Sol-Ark, Studer, CHISAGE ESS, TBB, Deye, Sunsynk, LIVOLTEK, SOROTEC, MEGAREVO, Afore, SolaX, Sacolar, Must, invt, RENAC, EACH ENERGY, OLU, hinen, Hypontech, EiNERGY, AOTAI, AP SYSTEMS, AUSTA, YELONESS, NEP, Inverex, KTECH, INHENERGY, Maxsky, SOSEN, SRNE, Deye, Growatt-SPF, SMK SOLAR, Voltronic, EASUN, MPP Solar, EPEVER, Bentterson, xindun, Techfine, SANDI SOLAR, SAKO, CVTE, GivEnergy, NEXT, HRX, SNADI, EVADA

2. High voltage

Deye, Solis, Sofar, Goodwe, Megarevo, Solinteg, Growatt, koyoe, SMK Solar, Afore, Solplanet, Sunways, Golden Stone, SINEXCEL, Enjoy.



System Diagram



RESIDENTIAL ESS SOLUTIONS

Flexi Stack Battery Energy Storage System

Model: UNIV5100W

OSPOWER
Manufacture by Highstar



Features And Advantages



online service



Flexible Capacity
Expansion



Real-time Data
Monitoring with
Bluetooth



Superior BMS with
Brand Battery Cell



Both Wall-Mounted
and Stacking



Wide
Compatibility

RESIDENTIAL ESS SOLUTIONS

Flexi Stack Battery Energy Storage System

OSPOWER
Manufacture by Highstar

Model: UNIV5100W

Specification

		UNIV5100W	
BATTERY PARAMETERS			
Battery Module		1	2-20
Total Energy(kWh)		5.12	10.24~102.4
Useable Energy(kWh)		4.81	4.81*n
Nominal Voltage(Vd.c)		51.2	
Voltage Range(Vd.c)		44.8 ~ 57.6	
Rated Capacity(Ah)		100	100*n
Recommend Current Charge/Discharge(A)		50	50*n
Max. Current Charge/Discharge(A)		80	80*n
Recommend Using DOD		90%	
Dimension (W *H* D) (mm)		600*145*410	600*(100+145*n)*410
Weight (KG)		45	10+45*n
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection	
		Low-voltage Protection/Over Temperature Protection/Cell Balance	
User Interface		APP, Button Screen	
Active fire protection system		Built-in aerosol fire extinguisher	
Communication		CAN/RS485	
OPERATING CONDITION			
Operation	Charge	0℃ ~ 55℃ (32°F ~ 131°F)	
Temperature	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)	
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)	
IP Rating		IP20	
Installation Type		Wall-Mounted & Stackable	
Cooling Type		Natural	
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)	
Altitude		≤2000 m	
CERTIFICATION AND SAFETY			
Warranty		10 Years	
Operation Life		15+ Years (25°C/77 °F)	
Safety Certification		CE/Cell UL 1973	
Transportation Certification		UN38.3/MSDS	
*n" stands for the number of battery modules			

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Flexi Stack Battery Energy Storage System

OSPOWER
Manufacture by Highstar

Model: UNIV5100W

Compatible Inverter Brand

1. Low Voltage

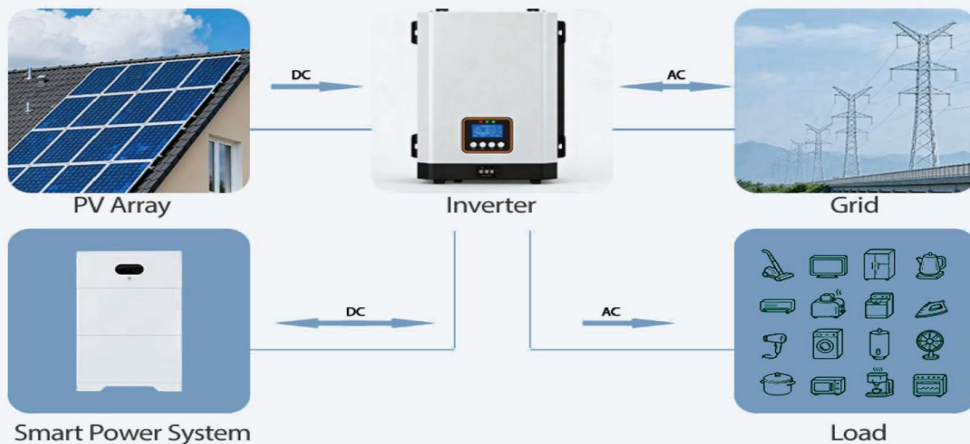
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2. High voltage

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System Diagram



RESIDENTIAL ESS SOLUTIONS

Rack-Mounted Battery Energy Storage System

Model: UNIV5200(I), UNIV5200(III)

OSPOWER
Manufacture by Highstar



Features And Advantages



online service



Easy Installation Compatible
with 19-inch cabinet
and flexible rack



Real-time Data
Monitoring with
Bluetooth



Superior BMS with
Brand Battery Cell



Commercial
Backup Choice



Max. Scalability to
20 modules

RESIDENTIAL ESS SOLUTIONS

Rack-Mounted Battery Energy Storage System

OSPOWER
Manufacture by Highstar

Model: UNIV5200(I), UNIV5200(III)

Specification		
	UNIV5200(I)	UNIV5200(Ⅲ)
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 Charge/Discharge (A)	50	
Max. Current Charge/Discharge (A)	80	
Recommend Using DOD	90%	
Scalability	Max 20 in Parallel	
Dimension (W *H* D) (mm)	442*135*480	
Weight (KG)	44	
BMS Features	Over-voltage & Over-current Protection/Short-circuit Protection	
	Low-voltage Protection/Over Temperature Protection/Cell Balance	
User Interface	APP	
Active fire protection system	Built-in aerosol fire extinguisher	
Communication	CAN/RS485	
OPERATING CONDITION		
Operation	Charge	0℃ ~ 55℃ (32°F ~ 131°F)
Temperature	Discharge	-20℃ ~ 55℃ (-4°F ~ 131°F)
Storage Temperature		-20℃ ~ 55℃ (-4°F ~ 131°F)
IP Rating		IP20
Installation Type	Rack-mounted ; plug and play	Rack-mounted
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		≤2000 m
CERTIFICATION AND SAFETY		
Warranty	10Years	
Operation Life	15+ Years (25°C/77 °F)	
Safety Certification	CE/Cell UL 1973/IEC62619	
Transportation Certification	UN38.3/MSDS	

RESIDENTIAL ESS SOLUTIONS

Rack-Mounted Battery Energy Storage System

OSPOWER
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Model: UNIV5200(I), UNIV5200(III)

Compatible Inverter Brand

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2. High voltage

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System Diagram

