



Absen Energy Product
Brochure

POWER A GREEN WORLD

Reliable Home & Business Energy
Storage Solution Provider

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CATALOGUE

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| StorC 1MW/2MWh | StorC 2.5MW/5MWh

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OUR STORY

At Absen, we are revolutionizing the energy landscape of world with cutting-edge solar technologies and energy solutions. As a company, our mission is to provide sustainable, affordable, and innovative renewable energy systems that power homes, businesses, and communities across the globe.

Our goal is to bring the light of renewable energy to every corner of the world, reducing the energy deficit and fostering a cleaner, greener future for all.

POD2000

Residential

AI-Enabled Energy Control

See charge, storage and discharge at a glance in the App.

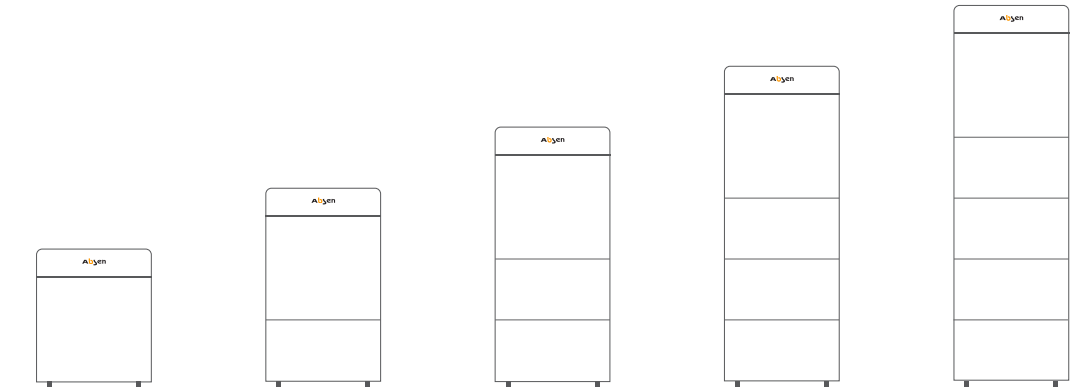
Select your priority: PV, generator, grid, wind or battery—or let AI optimize based on your usage.



POD2000

Residential





Model	PDS-24/20-LP1	PDS-24/40-LP1	PDS-24/61-LP1	PDS-24/81-LP1	PDS-24/102-LP1
PV Input					
Max.Input Voltage (Vdc)			100		
Max PV Input Current (A)			16A*2		
PV Input Voltage Range (Vdc)			10-100		
Max.Input Power (W)			800W*2		
AC Output (ON GRID MODE)					
Rated Output voltage (Vac)			220~240		
Rated Frequency (Hz)			50/60		
Max.Output Current (A)			10.9A (Default 3.6A)		
Max.Output Power (W)			2400W (Default 800W)		
AC INPUT					
Rated AC Input Voltage (Vac)			220~240		
Max. Input Current (A)			9		
Rated Frequency (Hz)			50/ 60		
Max.Input Power (W)			2000		

Model	PDS-24/20-LP1	PDS-24/40-LP1	PDS-24/61-LP1	PDS-24/81-LP1	PDS-24/102-LP1
Battery					
Expansion Battery Number	0	1	2	3	4
Battery Type			LFP		
Rated Battery Voltage (Vdc)			51.2		
Battery Energy (kWh)	2.048	4.096	6.144	8.192	10.24
AC Output (OFF GRID MODE)					
Rated AC output Voltage			220~240		
Rated Frequency (Hz)			50/60		
Max.output Current (A)	9.09	10.9	10.9	10.9	10.9
Max.output Power (W)	2000	2400	2400	2400	2400
System					
IP Rate			IP65		
Dimensions (W*D*H)mm	480*215*540	480*215*780	480*215*1020	480*215*1260	480*215*1500
Weight (kg)	25	42	59	76	93

Low-Voltage Stackable Pile Series

Residential



Module Design
Support 1-4 modules



Perfect Compatibility
Compatible with branded inverters



Safe & Reliable
LithiumIronPhosphate(LFP) battery

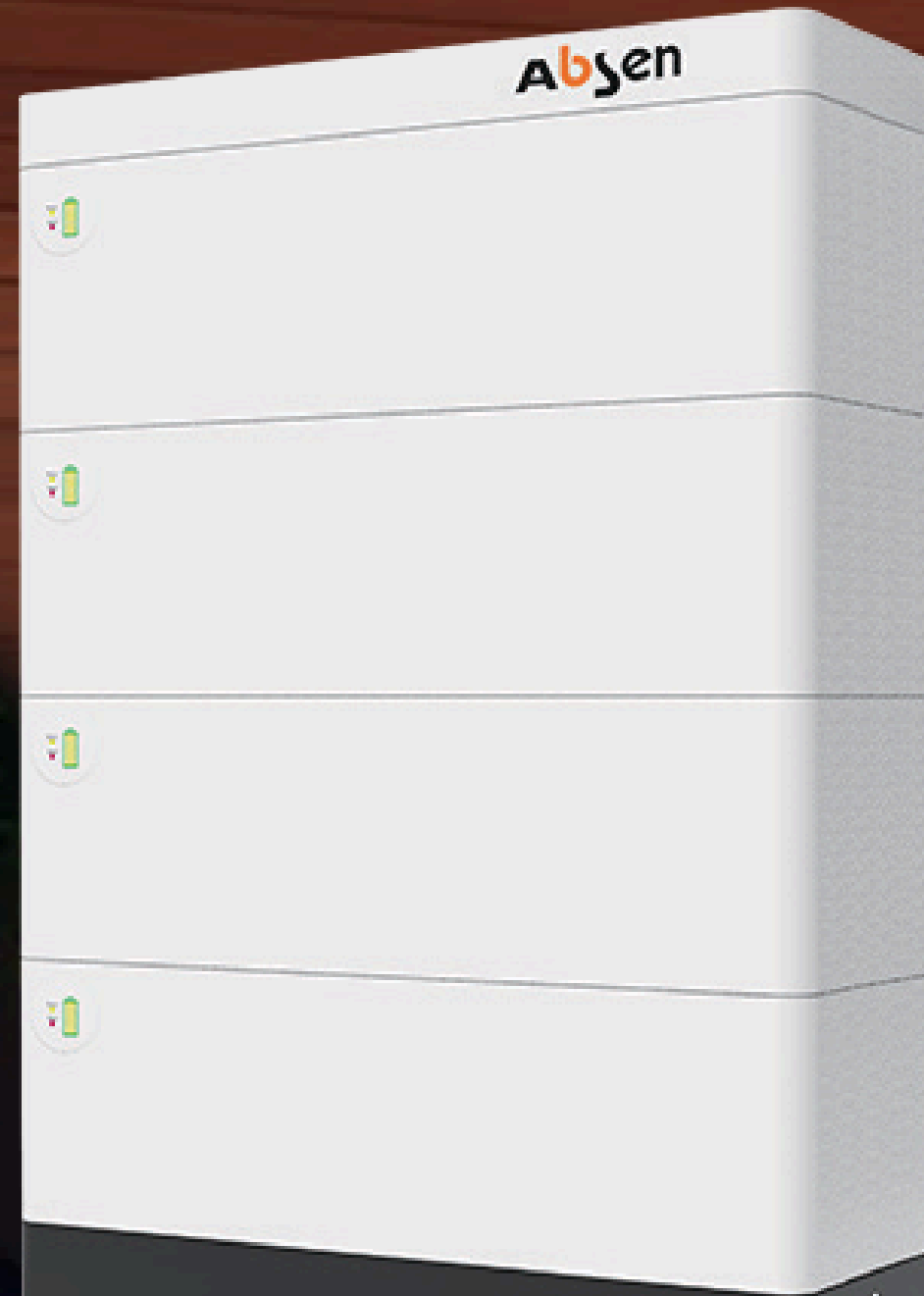


Smart and Easy Operation
Supporting remote monitoring via RS485/CAN

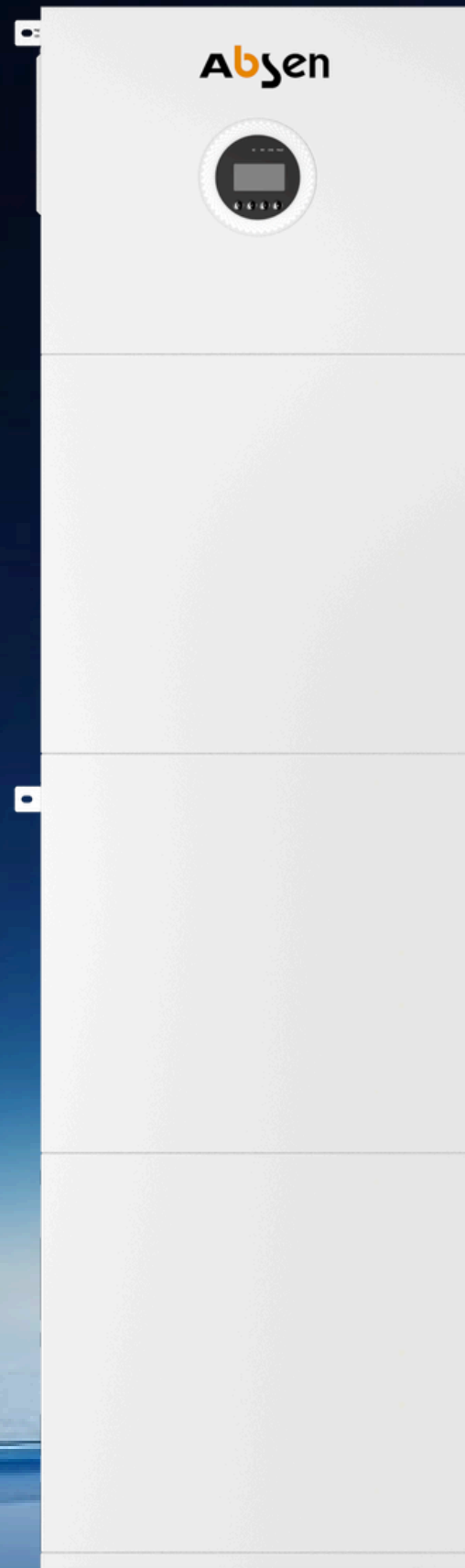


Low-Voltage Stackable Pile Series

Residential



Pile Series



Model	PX-5.1-L	PX-10.2-L	PX-15.3-L	PX-20.4-L
Nominal Voltage (VDC)	51.2			
Nominal Capacity (kWh)	5.12	10.24	15.36	20.48
Working Voltage Range (VDC)	44.8~56.16			
Charge Voltage (VDC)	58.4			
Nominal Charge/Discharge Current (A)	50			
Max Charge/Discharge Current (A)	100			
Peak Current (A)	200@3sec			
Cycle Life	6000@80%DOD,25°C/0.5C			
Certificates	CB, IEC62619, CE-EMC, EN61000-6-1/2/3/4; UKCA; UN38.3; MSDS			
Structure				
Dimensions (W*D*H)(mm)	600*210*440	600*210*740	600*210*1040	600*210*1340
Weight (Kg)	57.2	106.9	156.6	206.3
IP Rating	IP65			
Installation	Stacking type			
Working Environment				
Charge Working Temperature (°C)	-20~55			
Discharge Working Temperature (°C)	-20~60			
Altitude (m)	<2500			
Humidity (RH)	5-95%(w/o condensing)			
Communication				
Communication Port	RS485,CAN			
Display	SOC status indicator, LED indicator			

Ebox 5

Residential Battery (LV)

Residential



Module Design
40% less volume Up to 16 units
in parallel 5~80kWh capacity



Perfect Compatibility
Intelligent Cells Balancing
Current-limiting Function Multiple
protection



Safe & Reliable
100Ah LFP Cells
Max Charge/Discharge current : 100A



Smart and Easy Operation
Smart screen display No DIP
switch, Automatic Address Allocation
Optional WiFi , BT module



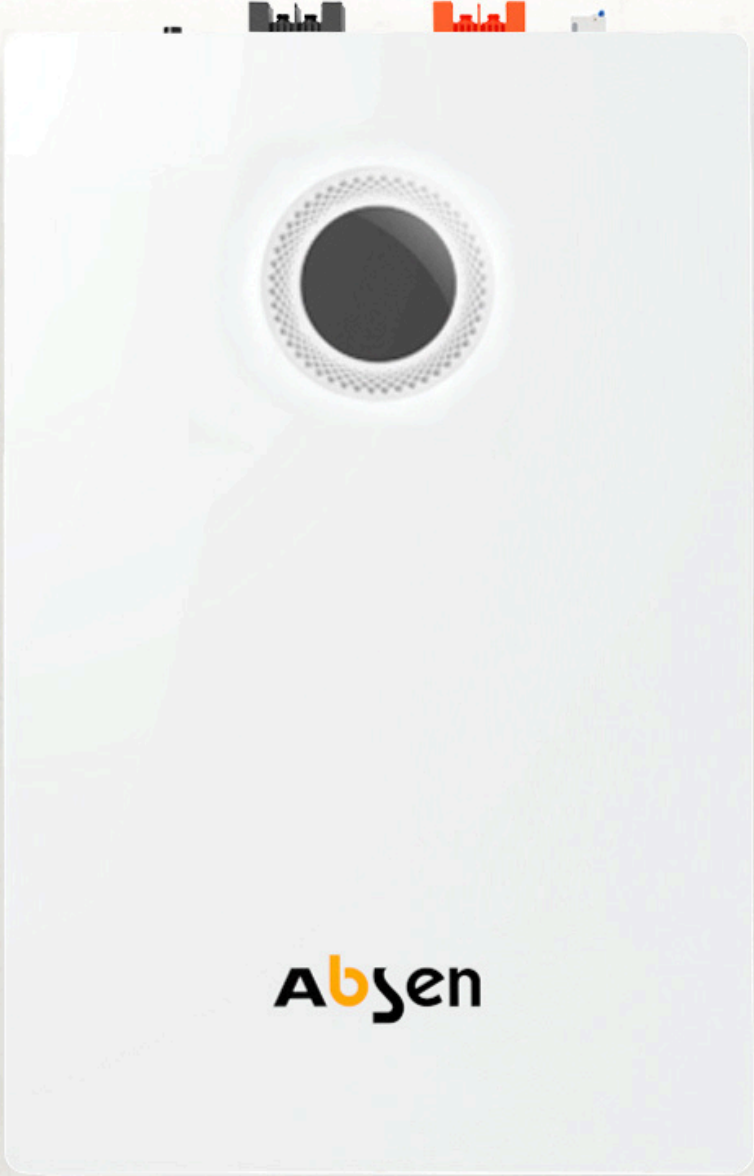
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Ebox 5

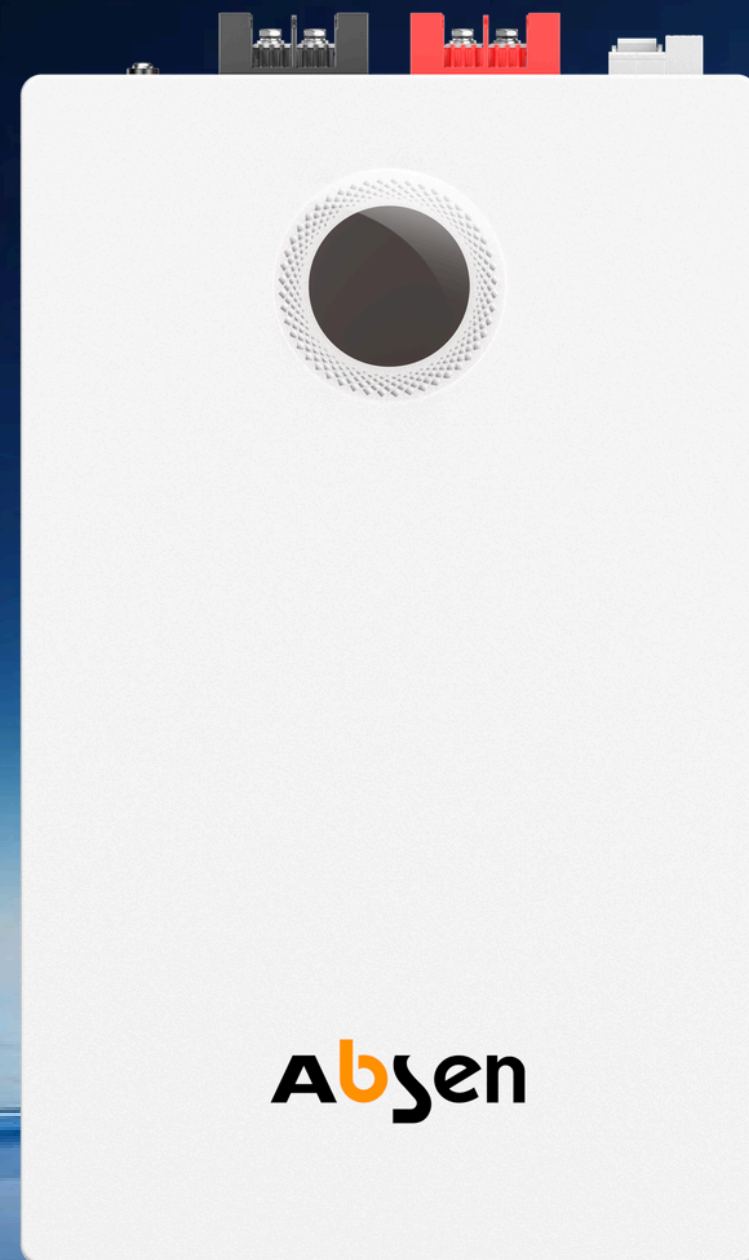
Residential Battery (LV)

Residential



Ebox 5

Residential Battery (LV)



Model	Ebox5
Nominal Voltage (VDC)	51.2
Operating Voltage (V)	44.8~57.6
Capacity (Ah)	100
Nominal Capacity (kWh)	5.12
Nominal Charge/Discharge Current (A)	50/50
Max Charge/Discharge Current (A)	100/100
Max Discharge Depth (A)	95%
Battery Type	LiFePO ₄
Structure	
Dimensions (W*D*H)(mm)	350x150x565
Weight (kg)	40
IP Rating	IP20
Installation	Wall mounted
Working environment	
Charge Working Temperature (°C)	0~55
Discharge Working Temperature (°C)	-20~55
Altitude (m)	<2500
Humidity (RH)	5-95%
Communication/Warranty	
Communication Port	RS485,CAN
Warranty Period	5 years
Certificates	CB, IEC62619,CE-EMC,EN61000;UKCA;UN38.3;MSDS

Ebox 8

Residential Battery (LV)

Residential



Module Design
16 units parallelable, 8-128kWh capacity



Perfect Compatibility
Less volume and weight Easy to move by one person with wheels



Safe & Reliable
314Ah LFP Cells Max Charge/Discharge current : 200A Intelligent Cells Balancing



Smart and Easy Operation
Built-in WiFi for seamless APP remote intelligent monitoring & real-time management



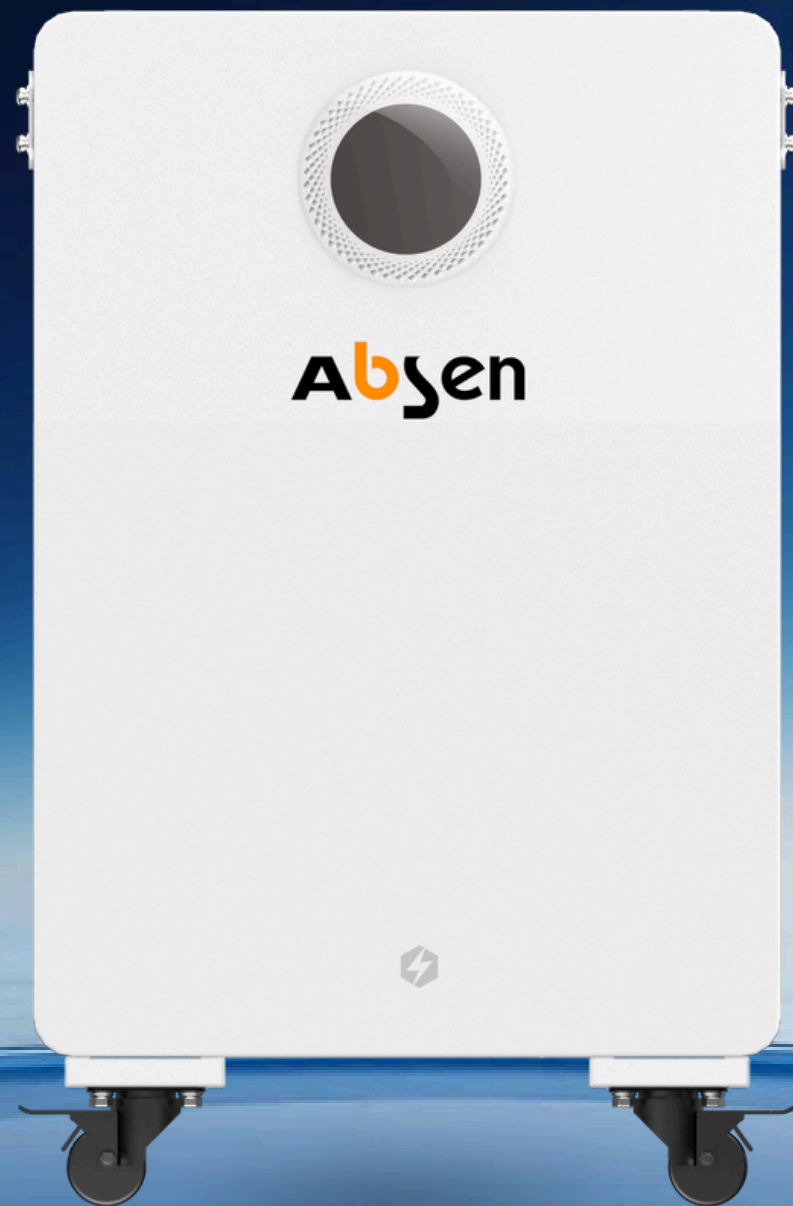
Ebox 8

Residential



Ebox 8

Residential Battery (LV)



Model	Ebox 8
Nominal Voltage (VDC)	25.6
Capacity (Ah)	314
Nominal Capacity (kWh)	8.038
Built-In Fuse (DC V/A)	70/250
Nominal Charge/Discharge Current (A)	150/150
Max Charge/Discharge Current (A)	150/150
Cycle Life	8000 @90%DOD, 25°C/0.5C
Structure	
Dimension(W*D*H)(mm)	380*240*535
Weight (kg)	63.8
IP Rating	IP20
Installation	Wall mounted
Working environment	
Charge Working Temperature (°C)	0~55
Discharge Working Temperature (°C)	-20~55
Altitude (m)	<2500
Humidity (RH)	5-95%
Communication/Warranty	
Communication Port	RS485, CAN2.0
Warranty Period	5 years
Certificates	UN38.3;MSDS

Ebox 16

Residential Battery (LV)

Residential



Module Design
Up to 16 units in parallel
16~256kWh capacity



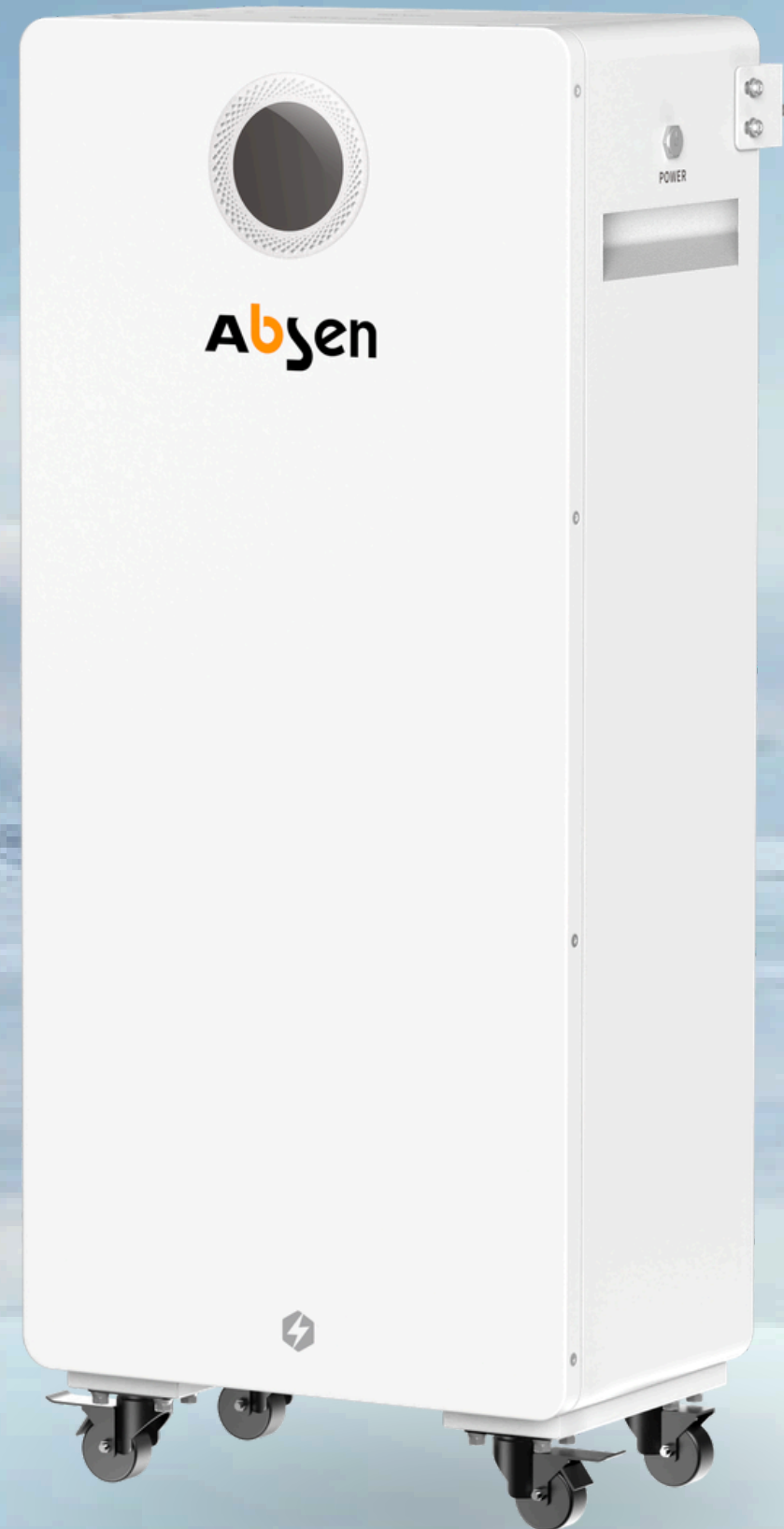
Perfect Compatibility
Less volume and weight Easy to move by one person with wheels



Safe & Reliable
314Ah LFP Cells Max Charge/Discharge current : 200A Intelligent Cells Balancing

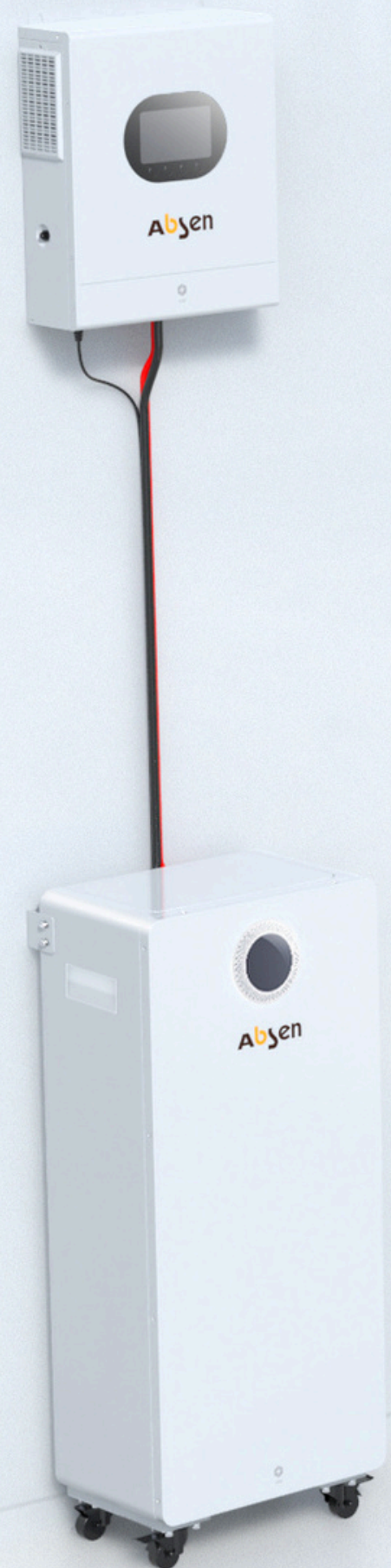


Smart and Easy Operation
Built-in WiFi , BT module APP monitoring
OTA function



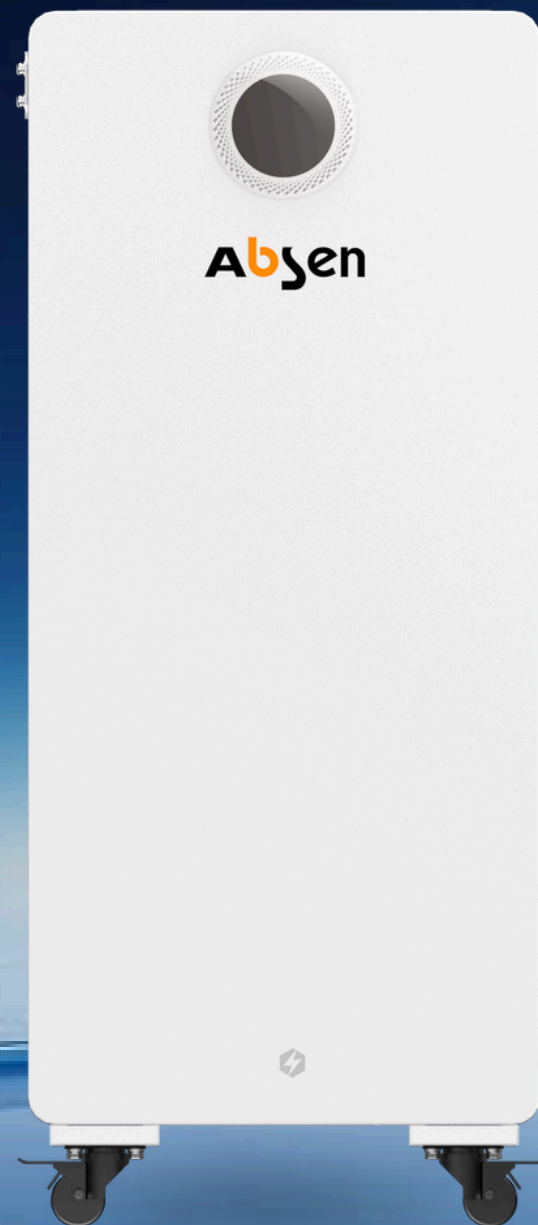
Ebox 16

Residential



Ebox 16

Residential Battery (LV)



Model	Ebox 16
Nominal Voltage (VDC)	51.2
Capacity (Ah)	314
Nominal Capacity (kWh)	16.076
Built-In Circuit Breaker	125A,2P
Nominal Charge/Discharge Current (A)	160/160
Max Charge/Discharge Current (A)	200/200
Max Discharge Depth (A)	95%
Cycle Life	8000 @90%DOD,25°C ,0,5C
Structure	
Dimensions (W*D*H)(mm)	380x239x838
Weight (kg)	116
IP Rating	IP21 (with top cover)
Installation	Floor mounted
Working environment	
Charge Working Temperature (°C)	0~55
Discharge Working Temperature (°C)	-20~55
Altitude (m)	<2500
Humidity (RH)	5-95%
Communication/Warranty	
Communication Port	RS485,CAN
Warranty Period	10 years
Certificates	CB, IEC62619,CE-EMC,EN61000;UKCA;UN38.3;MSDS
Compatible Inverter List	DEYE,GROWATT ,VICTRON,SOLIS,MUST,LUXPOWER,AFORE,SUNSYNK,Felicty...

Rove

3.6/6.0/12.0KW

Residential Off-grid Inverter



Module Design
Wide MPPT range 60-500V



Perfect Compatibility
Detachable dust cover



Safe & Reliable
Support lithium / lead-acid battery



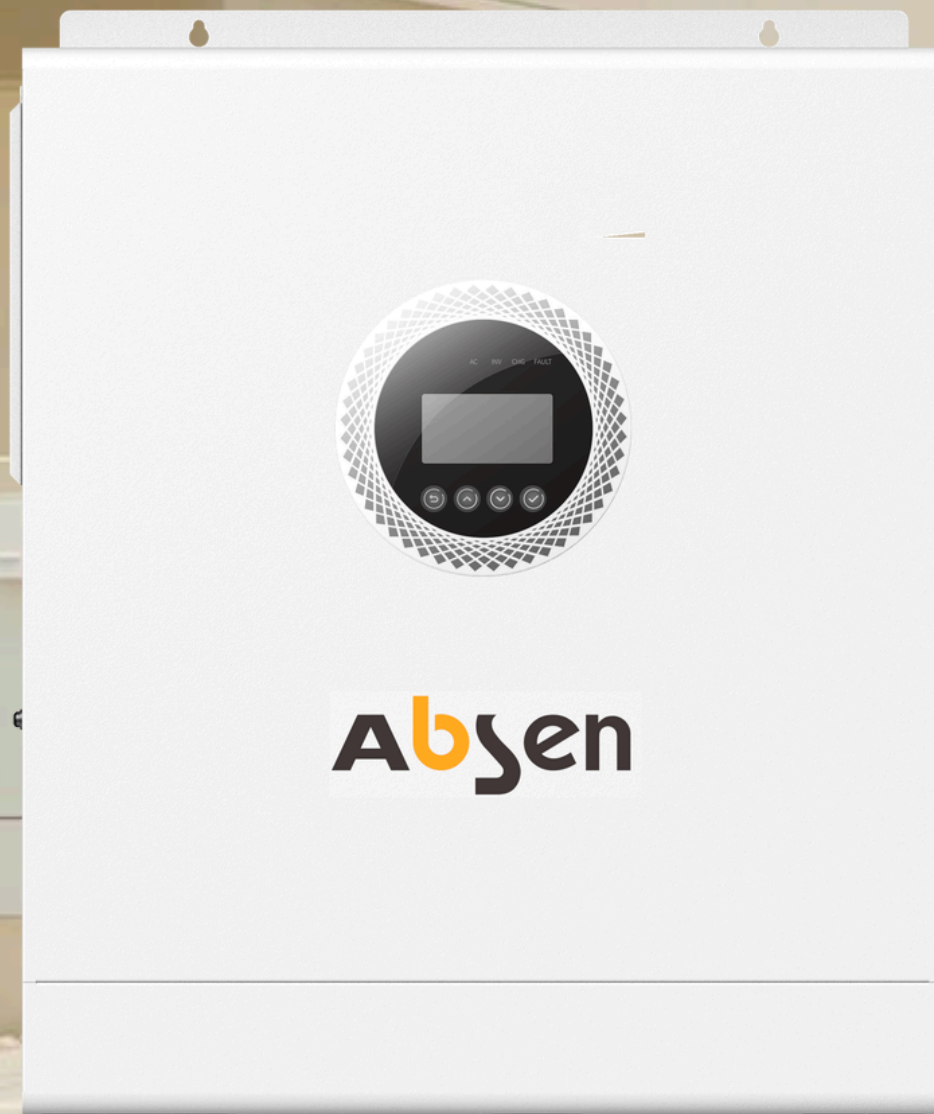
Smart and Easy Operation
Built-in WiFi & Built-in solar charger



Rove

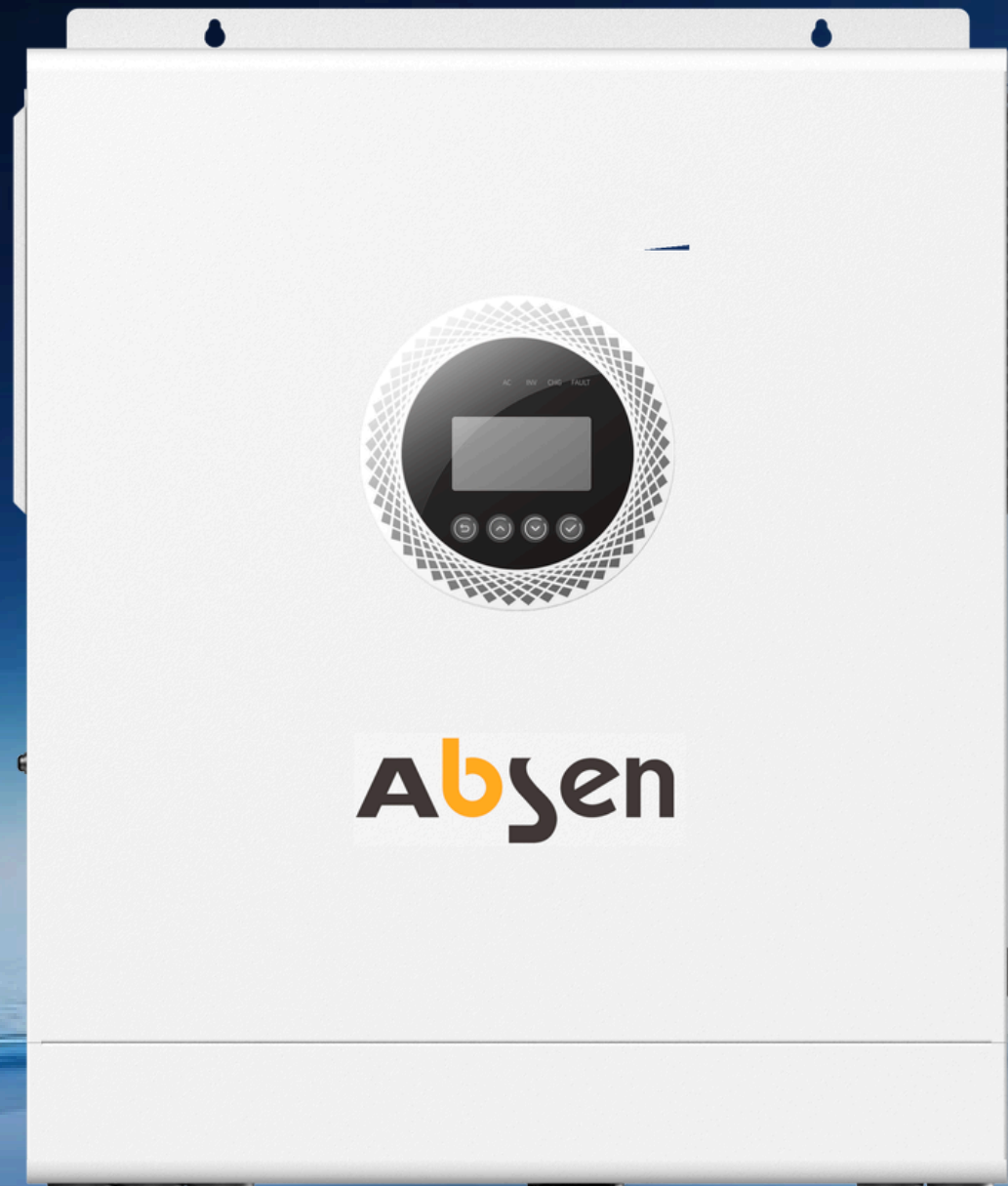
3.6/6.0/12.0KW

Residential



Rove

3.6/6.0/12.0KW



Model	Rove 3.6KW	Rove 6.0KW	Rove 12.0KW
AC Input			
Rated Input Voltage (VAC)	208/220/230/240; L+N+PE		220/230/240; L+N+PE
Voltage Range (VAC)	90~280±3 (APP/GEN mode); 170~264±3 (UPS mode)		
Frequency (Hz)	50/60 (Auto adaptive)		
AC Output			
Max Power (kW)	3.6	6.4	12
Surge Power (kVA)	7.2	12	24
Voltage (VAC)	208/220/230/240±5%		220/230/240±5%
Power Factor (PF)	1		
Frequency (Hz)	50/60±0.1%		
Switch Time (ms)	10 (APP/UPS mode); 20 (GEN mode)		
Wave Form	Pure sine wave		
Overload Capacity (Battery Mode)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load	1min@102%~120% load; 10s@>120% load	1min@102%~125%Load 10s@>125%Load
Max. Efficiency (Battery Mode)	92.7%@24VDC	94%@48VDC	94%@48VDC
Charger (PV/AC)			
Solar Charger Type	MPPT		
Max PV Input Current/Input Power	18A/5000W	27A/9000W	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per, MPPT, 15KW/Total
MPPT Range@Operating Voltage(VDC)	40-450	60-450	60-450
Max PV Open Circuit Voltage (VDC)	500		
Max. Charge Current (PV/AC)(A)	100	120	160
Battery			
Rated Voltage (VDC)	24	48	48
Floating Charge Voltage (VDC)	27	54	54
Overcharge Protection (VDC)	30.5	61	61
Battery Type	Lithium or Lead-acid		
Interface			
HMI	LCD		
Interface Module	RS485/RS232/CAN		
Monitoring	WiFi (Optional)		
General Data			
Ingress Protection	IP21		
Operating Temperature (°C)	-10~60		
Relative Humidity	20%~95%(Non-condensing)		
Storage Temperature (°C)	-15~60		
Net Weight (kg)	7.6		
Dimensions (W*D*H)(mm)	5.8	330*110*402.5	15
Max Operating Altitude (m)	284*95*432.5	4000 (Derating above 1000)	420*120*503.6



Unity LV

Unity Series Residential Battery



Module Design

Supports up to 48 units in parallel for capacity expansion,



Perfect Compatibility

Multiple protections and current-limiting function
Multiple protection



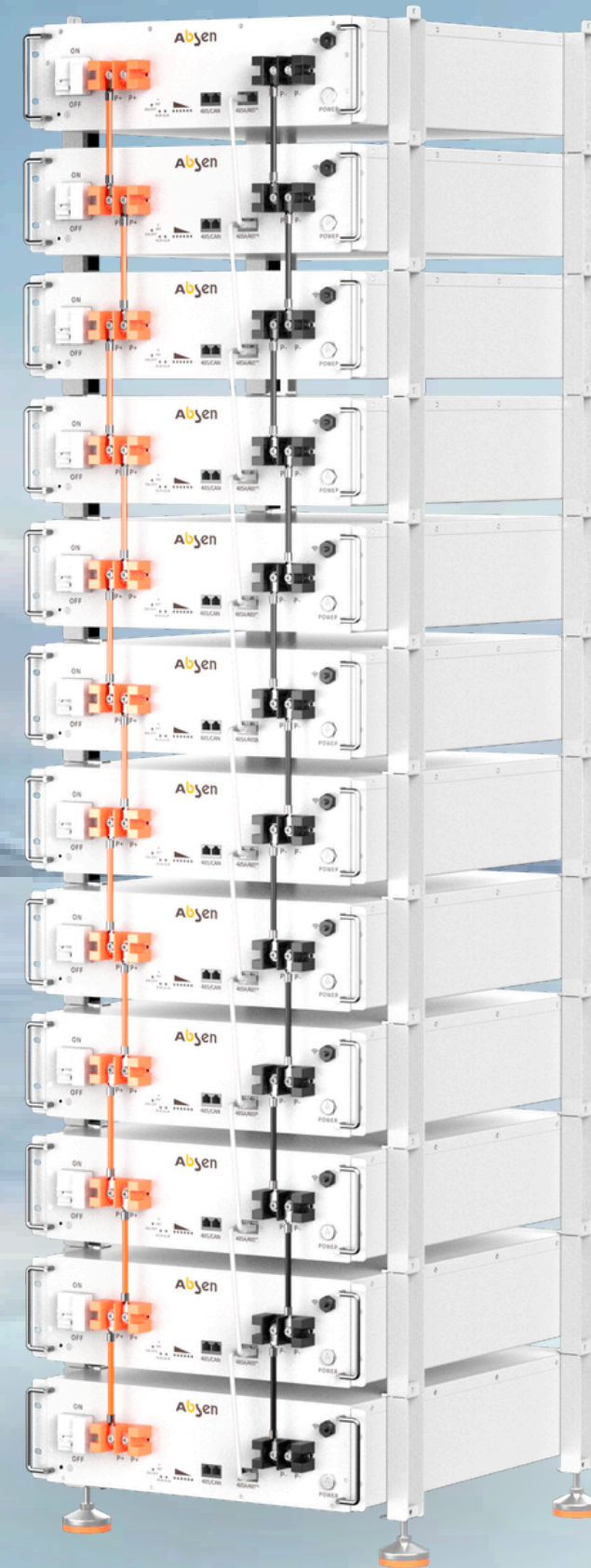
Safe & Reliable

Adopts 100Ah LFP cells, with max. 100A charge/discharge current and intelligent cell balancing



Smart and Easy Operation

Equips with WiFi/BT module plus OTA function. Automatic address allocation, no DIP switch



Unity LV

Unity Series
Residential Battery

Residential



Unity LV

Unity Series Residential Battery



Model	UX-5.1-LPB
Nominal Voltage (V)	51.2
Operating Voltage (V)	44.8~57.6
Capacity (Ah)	100
Nominal Capacity (kWh)	5.12
Nominal Charge/Discharge Current (A)	50/50
Max Charge/Discharge Current (A)	100/100
Depth of Discharge	95%
Battery Type	LFP
Fire Protection System	Built-in aerosol fire extinguisher
Certificates	CB, IEC62619, CE-EMC, EN61000, UKCA, UN38.3, MSDS
Structure	
Dimension (W*D*H)(mm)	483*555*130
Weight (Kg)	43
IP Rating	IP20
Installation Method	Floor mounted, Rack-mounted
Working environment	
Charge Working Temperature (°C)	0~55
Discharge Working Temperature (°C)	-20~55
Altitude (m)	<2500
Humidity (RH)	5-95%
Communication/Warranty	
Communication Port	RS485, CAN
Warranty Period	5 years
Compatible Inverter List	DEYE, GROWATT, VICTRON, SOLIS MUST, LUXPOWER, AFOWER, SUNSYNK, FELICTY...

Unity HV

Rack Type Residential Battery



Flexible Expansion

Modular design, expandable from 3 modules to 12, with a capacity range of 15kWh-60kWh



Safe and Reliable

Using LFP battery cells, with stable performance and long cycle life, up to 6000 cycles



High compatibility

Can adapt to mainstream high-voltage inverters in the market



Quick installation

Single module 44kg, can be disassembled and installed separately



Built in intelligent BMS

Automatically manage batteries, balance individual battery cells, and have overcharge, overdischarge, and high/low temperature protection functions



Environmentally friendly

The battery module is non-toxic, harmless, pollution-free, and environmentally friendly



Unity HV

Rack Type Residential
Battery



Unity HV

Rack Type Residential Battery



Model	UX-15.3-HPB	UX-20.4-HPB	UX-25.6-HPB	UX-30.7-HPB	UX-35.8-HPB	UX-40.9-HPB	UX-46-HPB	UX-51.2-HPB	UX-56.3-HPB	UX-61.4-HPB	
Battery Type	LFP										
Battery Pack Number	3	4	5	6	7	8	9	10	11	12	
Nominal Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44	
Discharge Voltage (V)	129.6 ~172.8	172.8 ~230.4	216 ~288	259.2 ~345.6	302.4 ~403.2	345.6 ~460.8	388.8 ~518.4	432 ~576	475.2 ~633.6	475.2 ~633.6	
Rated Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4	
Rated Working Current (A)	50										
Max Charging Current (A)	70										
Max Discharging Current (A)	100										
Certificates	IEC62619、EN61000-6-1/3、UN38.3										
General Data											
Display	LED										
Communication Interface	RS485/CAN										
Dimensions Interface (W*D*H)(mm)	550*600*1050			550*60*1450				550*600*2050			
Weight (Kg)	165	165	253	297	350	394	438	485	529	573	
Working Temperature	Charging: 5~50; Discharging: -20~55; Storage: -20~50										
Operating Humidity Range	5%RH~95%RH, No condensation										
Altitude (m)	3000										
Cooling Method	Natural Cooling										
IP Rating	IP20										
Installation Method	Rack mounted (optional installation rack)										
Scalability	3~12										
Battery Pack											
Model	UX-51-HPB										
Battery Pack Specifications	51.2V/5.12kWh/100Ah										
Life Cycles	6000@90%DOD, 25°C/0.5C										
Dimensions (W*D*H)(mm)	483*550*130										
Weight (Kg)	44										

Unity HV2

Rack Type C&I Battery



Module Design

allows expansion from 4 to 13 modules, covering a capacity range of 72-235kWh



Safe and Reliable

Employs LFP battery cells, boasting stable performance and a long cycle life of up to 8000 cycles.
Can be adapted to mainstream high-voltage inverters in the market



Quick installation

Cloud analysis effectively cuts down operation and maintenance costs



Unity HV2

Rack Type C&I Battery



Unity HV2

Rack Type C&I Battery



Model	UX-162.8-HPB	UX-235.1-HPB
Battery Type	LFP	
Battery Pack Number (Max)	9	13
Nominal Energy (kWh)	162.8	235.1
System Operating Voltage (V)	518.4	748.8
System Nominal Voltage (V)	453.6~575.1	655.2~830.7
Rated Working Current (A)	157	
Max Charging Current (A)	210	
Max Discharging Current (A)	210	
Certificates	IEC62619, EN61000, UN38.3	
General Data		
Communication Interface	CAN/RS485	
Dimensions (W*D*H)(mm)	570*890*1370	570*890*1880
Weight (kg)	1250	1850
Working Temperature (°C)	Charging: 0~50; Discharging: -20~55; Storage: -20~50	
Humidity	5%RH~95%RH, No condensation	
Altitude (m)	≤3000	
Cooling Method	Natural cooling	
IP Rating	IP20	
Installation Method	Rack mounted	
Battery Pack		
Model	GM-18.0-HPB	
Battery Pack Specifications	57.6V/18.08kWh/314Ah	
Life Cycles	8000, 70% SOH (90%DOD), Q5	
Fire Protection System	Aerosol	
Dimensions (W*D*H)(mm)	483*825*235	
Weight (Kg)	126±3	

Cube 60

Outdoor Distributed Energy Storage System (Air-cooling)



Module Design

Maximizes space utilization by reducing floor space by 55%.
Supports 0.83C high-rate discharge



Safe and Reliable

Multiple anti-theft design, remote door opening alarm



High compatibility

Seamless switching time ≤ 20 ms



Cube 60

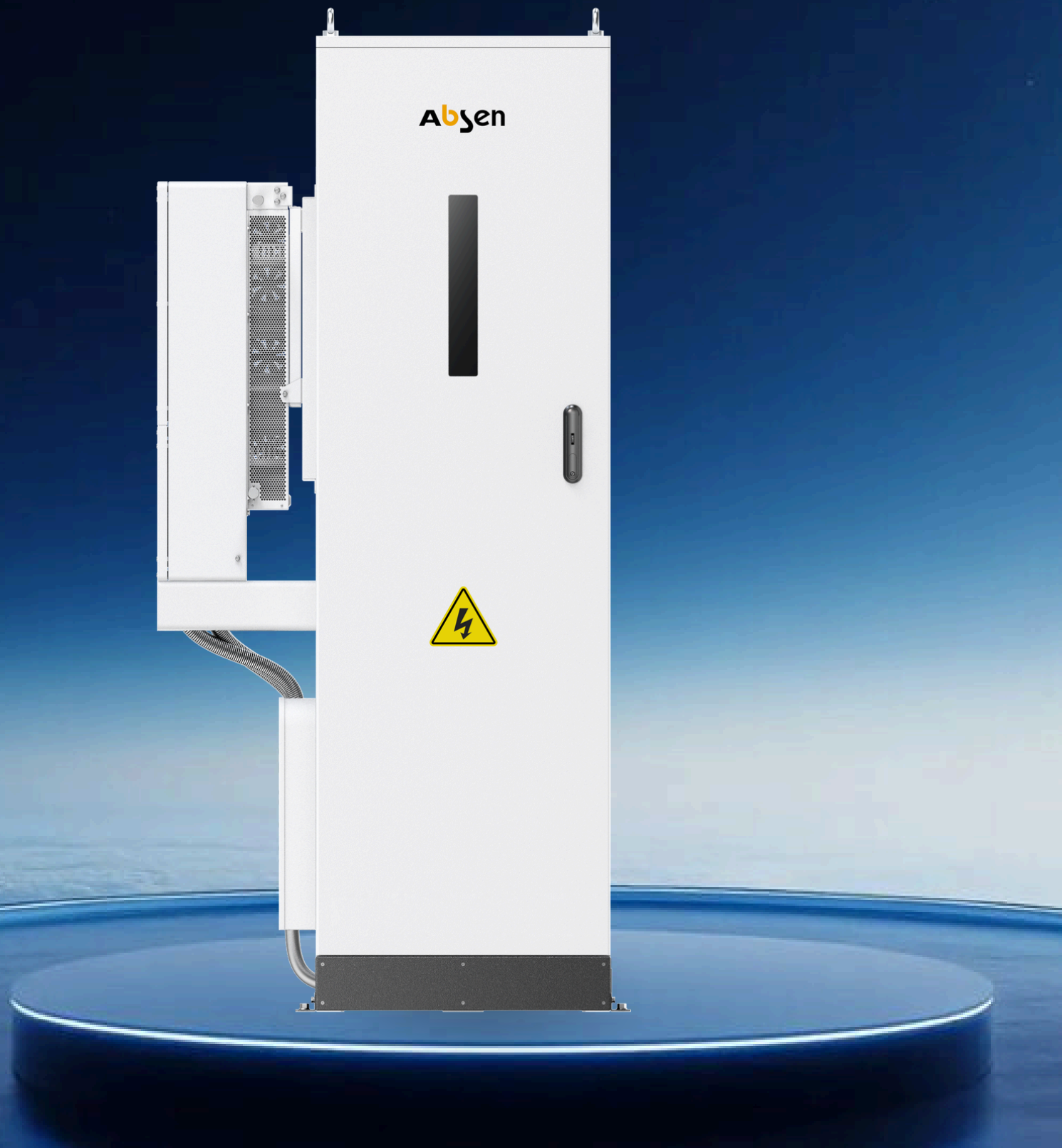
Outdoor Distributed Energy
Storage System (Air-cooling)

absen



Cube 60

Outdoor Distributed Energy Storage System (Air-cooling)



Model	CX-30/60-AP-S	CX-50/60-AP-S
System Parameter		
Battery Energy (kWh)	61.44	61.44
Rated Power (kW)	30	50
AC Output	400V, 3L+N+PE, 50Hz/60Hz	400V, 3L+N+PE, 50Hz/60Hz
Off grid switching time (ms)	≤20	≤20
Communication	Wifi/ 4G/ USB/ CAN/ RS485	Wifi/ 4G/ USB/ CAN/ RS485
Cooling Method	Air cooling	Air cooling
IP Rating	IP54	IP54
Working Temperature(°C)	-20~55 5%RH~95%RH	-20~55
Humidity	≤3000m	5%RH~95%RH
Altitude	650*750*2150	≤3000m
System dimensions (W*D*H)mm	Aerosol	650*750*2150
Fire Protection System	870	Aerosol
Weight (kg)		870
Battery Parameter		
Battery PACK	5.12kWh/ 100Ah	5.12kWh/ 100Ah
Battery System	61.44kWh/ 100Ah	61.44kWh/ 100Ah
Battery Voltage Range (Vdc)	537.6~691.2	537.6~691.2
Endurance Cycle	6000	3000
Certification	IEC62619, EN61000-6-1/3, UN38.3, RoHs	IEC62619, EN61000-6-1/3, UN38.3, RoHs
PV Parameter		
Max DC input power (kW)	42	70
Max DC input voltage (Vdc)	1000	1000
Rated input voltage (Vdc)	600	600
MPPT voltage Range (Vdc)	150~850	150~850
MPPT number/Number of strings per MPPT tracker	5*6	4*8
AC Side Parameters		
Rated output active power(kW)	30	50
Max output current(A)	45.6/ 43.3	76/ 72.2
THDi	<3%	<3%
THDu	<3%	<3%

Cube 72/90/108

Outdoor Distributed Energy
Storage System (Air-cooling)



Module Design

Modular design allows expansion from 4 to 6 modules, offering a capacity range of 72-108kWh, suiting various needs. Maximizes space utilization by reducing floor space by 55%. Delivered in cabinets, it saves 50% of installation time and cost



Safe and Reliable

Multiple anti-theft design, remote door opening alarm



Perfect Compatibility

Supports 30/40/50kW, catering to small commercial and industrial (C&I) scenarios.



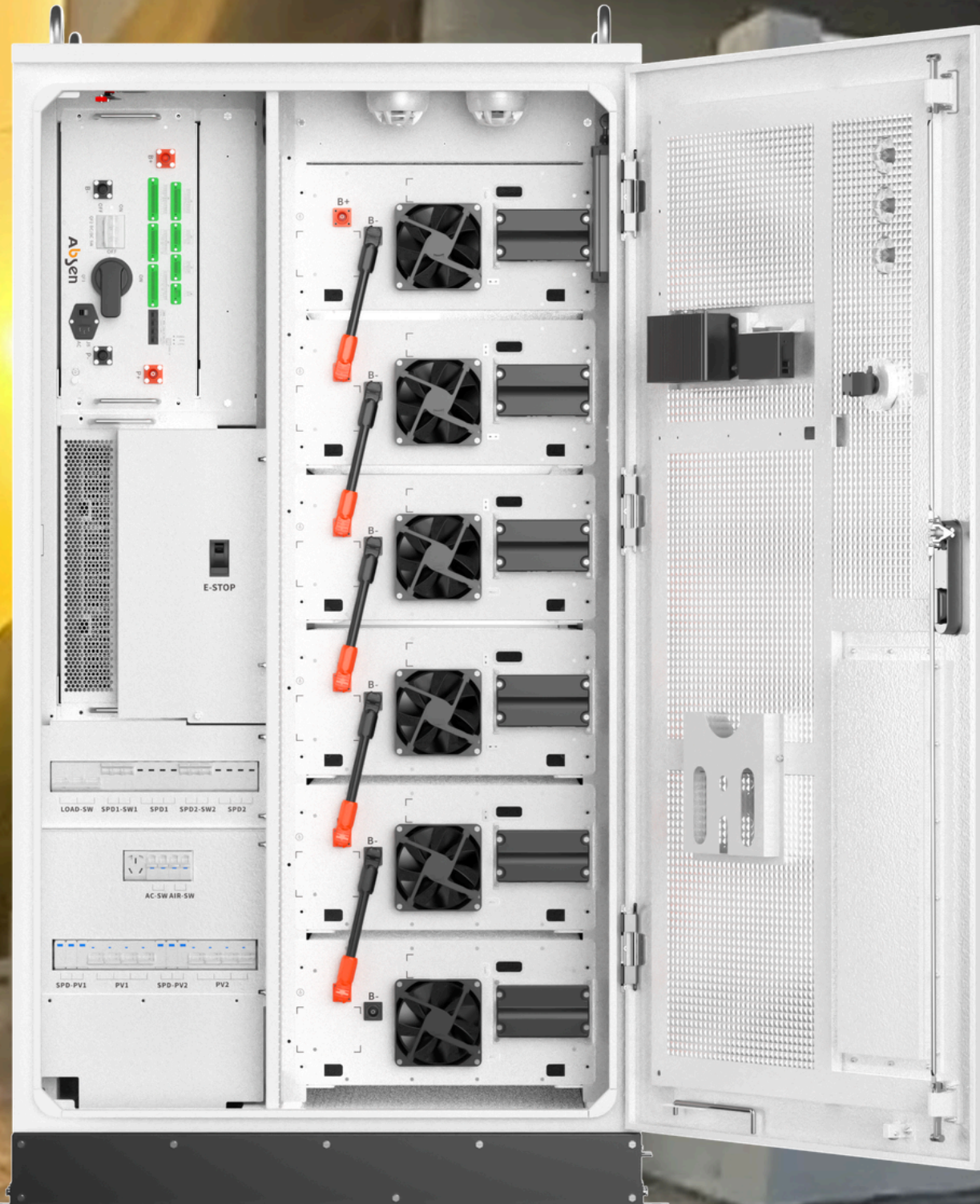
Smart and Easy Operation

Operates with a DC/AC ratio of 1.5 for PV energy, and comes with a 4G/Wifi module for remote access



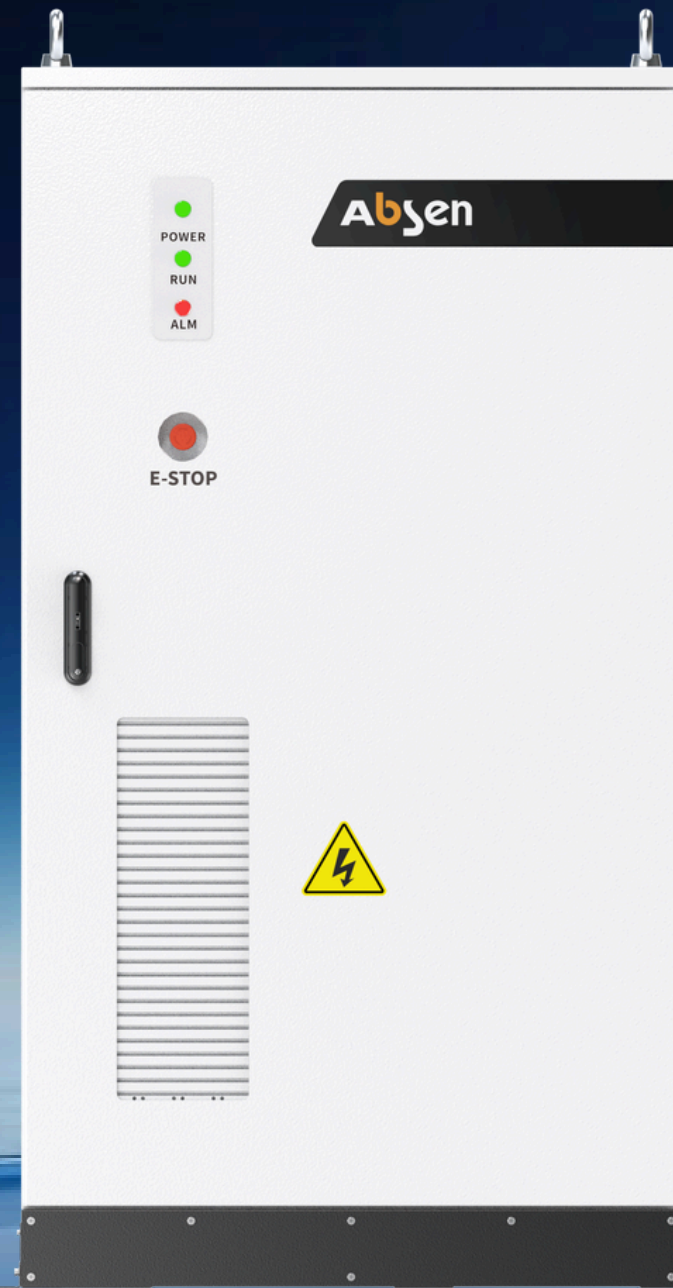
Cube 72/90/108

Outdoor Distributed Energy Storage System (Air-cooling)



Cube 72/90/108

Outdoor Distributed Energy Storage System (Air-cooling)



Model	Cube 72	Cube 90	Cube 108
System			
Battery Energy (kWh)	7	90	108
Rated Power (kW)	2	40	50
AC Output	3	400V, 3L+N+PE, 50Hz/60Hz	
Off-Grid Switching Time (ms)	0	<10	
Communication	Wifi/4G/CAN/RS485		
Cooling Method	Air conditioning cooling		
IP Rating	IP54		
Working Temperature (°C)	-20~55		
Humidity	0%RH~95%RH, No condensation		
Altitude (m)	3000 (>2000 derating)		
Dimensions (W*D*H)(mm)	1000*1471*1850		
Fire Protection System	Aerosol		
Weight (kg)	1009	1137	1265
Certificates	IEC62619, EN61000, UN38.3		
Battery			
Battery Pack	57.6V/18.08kWh/314Ah		
Battery System (kWh)	72.32	90.40	108.48
Battery Voltage Range (VDC)	201.6~259.2	252.0~324.0	302.4~388.8
Endurance Cycle	8000, 70% SOH (90%DOD, 25 °C)		
PV(Optional)			
Max DC Input Power (kW)	38.4+38.4		
Max DC Input Voltage (VDC)	850		
MPPT Voltage Range (VDC)	200-800		
Start-up Voltage (V)	250		
Max Input Current (A)	64 + 64		
AC Side			
Rated Power (kVA)	30	40	50
Rated Current (A)	43.5	58.0	72.5
THDi	<3% (Over 30% load)		
THDu	<3% (Resistive load)		
PCS Certificates	CE, IEC62019, IEC62477, IEC6100, EN50549		

Cube 125

Outdoor Distributed Energy Storage System (Air-cooling)



Module Design

Thermally sensitive wire for fire extinguishment in extreme conditions. Reduce on-site installation time and costs by 50%



Safe and Reliable

Seamless switching time $\leq 10\text{ms}$



Perfect Compatibility

2.5-hour energy storage/5-hour energy storage



Smart and Easy Operation

Photovoltaic energy at a DC/AC ratio of 1.9



Cube 125

Outdoor Distributed Energy Storage System (Air-cooling)

absen



Cube 125

Outdoor Distributed Energy Storage System (Air-cooling)



Model	Cube 125	Cube 161	Cube 192	Cube 225
System				
Battery Energy (kWh)	128	161	192	225
Rated Power (kW)	50	50/60/80	50/60/80/100	50/60/80/100/125
AC Output	400V, 3L+N+PE, 50Hz/60Hz			
Off-grid Switching Time (ms)	<10			
Communication	Wifi/4G/USB/CAN/RS485			
Cooling Method	Air cooling			
IP Rating	IP54			
Working Temperature (°C)	-20~55			
Humidity	5%RH~95%RH			
Altitude (m)	≤3000			
System Dimensions (W*D*H)mm	1000*1125*1700	1000*1125*2050	1000*1125*2050	1000*1125*2300
Fire Protection System	Aerosol			
Weight (kg)	1300	1700	1950	2180
Battery				
Battery Pack	32.15kWh/314Ah			
Battery System	160kWh/314Ah			
Battery Voltage Range (VDC)	358.4~460.8	448~576	537.6~691.8	627.2~806.4
Endurance Cycle	8000, 70% SOH (90%DOD, 25°C)			
Certification	IEC62619、UL1642、UN38.3、GB36276-2018、RoHS			
PV				
Max DC Input Power (kW)	96	96/120/160	96/120/160/200	96/120/160/240
Max DC Input Voltage (VDC)	1000			
Rated Input Voltage (VDC)	600			
MPPT Voltage Range (VDC)	150~850			
MPPT Number/Strings Number per MPPT Tracker	4*8/10*20			
AC Side				
Rated Output Active Power (kW)				
Max Output Current (A)	50	50/60/80	50/60/80/100	50/60/80/100/125
THDi	76	76/91/121	76/91/121/152	76/91/121/152/189
THDu	<3%			
PCS Certificates	<3%			
EN62109, EN61000, IEC62116/IEC61727, EN50549, VDE4105, NRS 097 etc.				

Cube 225-Y

Outdoor Distributed Energy
Storage System



Module Design

Unlimited grid-connected expansion, support seamless switching within <10ms



Safe and Reliable

Fault classification protection mechanism



Perfect Compatibility

Battery management system and comprehensive thermal management



Smart and Easy Operation

Charge and discharge cycles >7000 times



Cube 225-Y

Outdoor Distributed Energy Storage System



Cube 225-Y

Outdoor Distributed Energy Storage System



Model	Cube 225-Y
PV (DC)	
Max PV Input Power (kW)	220
PV Input Voltage Rate (V)	250~607
MPPT	4
Battery (DC)	
Rated Battery Energy (kWh)	225
Rated System Voltage (V)	716.8
Battery Type	LFP
Battery Capacity (Ah)	314
Series of Battery	1P*32S*7S
AC Output	
Rated AC Power (kW)	100
Rated AC Current (A)	144
Rated AC Voltage	400V, 3P+N+PE, 50/ 60Hz
THDi	<3% (rated power)
PF	-1 leading to+1 lagging
General Data	
Protection Level	IP55
Operating Temperature (°C)	-25~60(Derating above 45)
Altitude (m)	3000 (>3000 derating)
Dimensions (W*D*H)(mm)	RS485/ CAN 2.0/ Ethernet/ dry contact
Dimension (W*D*H)mm	1700*1200*2300
Fire Protection System	Aerosol
Cooling Method	Air conditioning cooling
Weight (approx.)(kg)	3300
Certificates	UN38.3, IEC62619, IEC/EN62477, EN61000, CEI016, IEC62116/ IEC61727, G99, EN50549, VDE4110, NRS 097 etc.

Cube 261

Outdoor Distributed Energy Storage System



Module Design

High space utilization and easy installation



Safe and Reliable

Temperature difference <math>< 3\text{ }^\circ\text{C}</math>, extended life span >20%, AC-side conversion efficiency >90%



Perfect Compatibility

Pack-level precision fire protection



Smart and Easy Operation

Intelligent management, real-time monitoring · High protection level



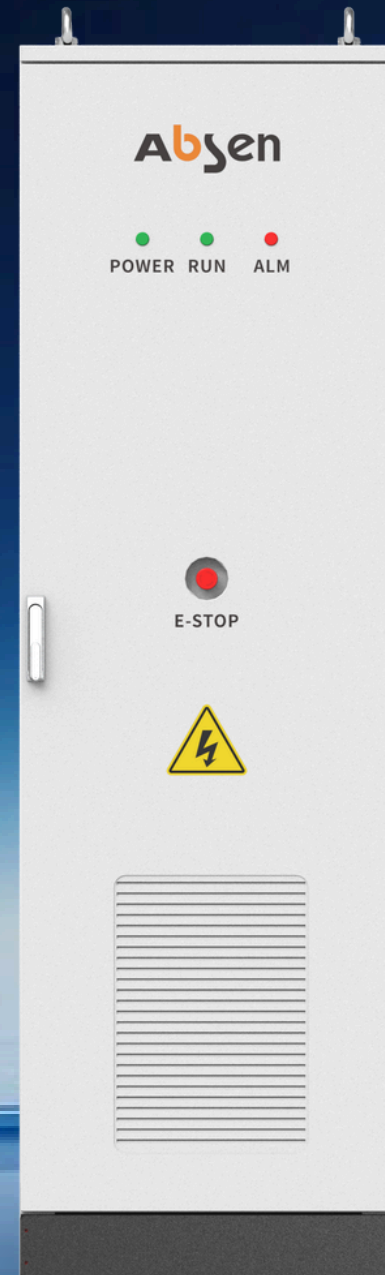
Cube 261

Outdoor Distributed Energy Storage System



Cube 261

Outdoor Distributed Energy Storage System



Model	Cube 261
System	
Battery Capacity (kWh)	261
Installation Location	Outdoor
Noise	≤70dB
Communication	4G/CAN/RS485
Cooling Method	Liquid cooling
Protection Level	IP55
Operation Temperature (°C)	-20~55
Humidity	5%RH~95%RH
Altitude (m)	≤3000
Dimensions (W*D*H)(mm)	1000*1300*2350
Fire Protection System	Aerosol
Weight (kg)	2500
Battery	
Pack Capacity (kWh)	52.2
System Capacity (kWh)	261.2
Battery Voltage Range (V)	650~949
Cycle Life	≥8000
Certificates	IEC62619、EN61000-6-1/3、UN38.3、RoHs
AC Side	
Output Power (kVA)	125
Charge/Discharge Current (A)	200
MAX. AC Power (kW)	150
MAX AC Current (A)	210
AC Voltage (V)	400, 3L+N+PE, 50/60Hz
Current Harmonics	<3%
Voltage Distortion Degree	<3%
PCS Certificates	IEC62477, IEC61000, IEC61226+62717, G99, EN50549-1, EN50549-2, EN50549-10, NRS -097, C10/11, VDE4110, NC Rfg PSE

Cube 261-Y

Outdoor Distributed Model
Energy Storage System



Module Design

Cloud platform interconnection management.
Multi-scenario application, and seamless switching between
off-grid and on-grid within <20ms



Safe and Reliable

High-efficiency 314Ah battery, cycle life 8000 times @70%



Smart and Easy Operation

Intelligent temperature control balance,
system efficiency >89%



Cube 261-Y

Outdoor Distributed Energy Storage System



Cube 261-Y

Outdoor Distributed Energy Storage System



Model	Cube 261-Y
PV (DC)	
Max PV Input Power (kW)	220
PV Input Voltage Rate (V)	250-708
MPPT	4
Battery (DC)	
Rated Battery Energy (kWh)	261
Rated System Voltage (V)	832
Battery Type	LFP
Battery Capacity (Ah)	314
Series of Battery	1P*52S*5S
AC Output	
Rated AC Power (kW)	125
Rated AC Current (A)	180
Rated AC Voltage	400V, 3P+N+PE, 50/60Hz
THDi	<3% (rated power) -1
PF	leading to+1 lagging
General Data	
Protection Level	IP54
Operating Temperature (°C)	-25~60(Derating above 45) 3000m
Altitude (m)	(>3000m derating)
Communication	RS485/ CAN 2.0/ Ethernet/ dry contact
Dimensions (W*D*H)(mm)	1696*1350*2300
Fire Protection System	Aerosol
Cooling Method	Liquid cooling
Weight (approx.)(kg)	3400
Certificates	UN38.3, IEC62619, IEC /EN62477, EN61000, CEI016, IEC62116/IEC61727, G99,EN50549, VDE4110, NRS 097 etc.

Cube 1000-A

Outdoor Distributed Model
Energy Storage System



Module Design

Pre - installed in the factory for easy on-site installation.
Supports parallel operation of 4 cabinets and off-grid switching without communication



Safe and Reliable

Effortless operation and cloud monitoring



Smart and Easy Operation

The cell temperature difference < 5°C



Cube 1000-A

Outdoor Distributed Energy Storage System



Cube 1000-A

Outdoor Distributed Energy Storage System



Model	Cube 1000-A
PCS Cabinet	Monet-500TS
Rated AC Power (kW)	500 (125*4)
Rated AC Current (A)	200*4
Rated AC Voltage	400V, 3W+N+PE
DC Voltage Range (V)	580~950
Isilation Transformer (optional)(kVA)	250/500
STS (optional)(kW)	150/300/600
Protection Level	IP54
Cooling Method	Intelligent air cooling
Altitude (m)	3000 (over 2000 derating)
Dimensions (W*D*H)(mm)	1350*1000*2300
Weight (approx.)(kg)	2240
Certificates	EN50549-1.EN 62477-1.VDE V0126-1-1, NRS 097-2-1, EN 50549-1/-2 NL, IEC61000-6-2/-4
PV Cabinet	Monet-(DC500)
Rated Power (kW)	500 (50*10)
PV Open-circuit Voltage (V)	250-607
Max PV Input Current (A)	10*160
MPPT Quantity	10
Power Factor	-1 leading to +1 lagging
THDU	<3% (Rated power)
Protection Level	IP54
Cooling Method	Intelligent air cooling
Dimensions (W*D*H)(mm)	1350*1000*2300
Weight (approx.)(kg)	900
Certificates	EN/IEC62109-11-2, EN/IEC 61000-6-21-4
Battery Cabinet	GM-225.0-HPB
Rated Battery Energy (kWh)	2.25
System Rated Voltage (V)	716.8
System Voltage Range (V)	580~817.6
Series of Battery	1P*32S*7S
Cooling Method	Air conditioning cooling
Protection Level	IP54
Dimensions (W*D*H)(mm)	1000*1100*2300
Weight (approx.)(kg)	2180
Certificates	UN38.3, IEC62619, IEC61000-6-21-4

Cube 1000-F

Outdoor Distributed Energy Storage System



PCS Cabinet	Monet-500TS
Rated AC power	500kW (125kW*4)
Rated AC current	200A*4
Rated AC voltage	400V, 3W+N+PE
DC voltage range	580~950V
Isolation transformer (optional)	250/500kVA
STS (optional)	150/300/600kW
Degree of protection	IP54
Cooling method	Intelligent air cooling
Altitude	3000m (over 2000m derating)
Dimensions (W*D*H)mm	1350*1000*2300
Weight (approx.)	2240kg
Certifications	EN50549-1, EN 62477-1, VDE V0126-1-1, NRS 097-2-1, EN 50549-1/-2 NL, IEC61000-6-2/-4

Photovoltaic cabinet	Monet-(DC500)
Rated power	500kW (50kW*10)
PV input voltage	250-500V
Max.PV input current	10*160A
MPPT quantity	10
Power Factor	-1leading to+1 lagging
THDU	<3% (Rated power)
Degree of protection	IP54
Cooling method	Intelligent air cooling
Dimensions (W*D*H)mm	1350*1000*2300
Weight (approx.)	900kg
Certifications	EN/IEC62109-11-2, EN/IEC 61000-6-21-4

Battery Cabinet	GM-261.2-HPB
Battery rated energy storage capacity	2.61 kwh
System rated voltage	832V
System voltage range	689V~910V
Battery pack series and parallel	1P*52S*5S
connection	Intelligent liquid cooling
Cooling method	IP54
Degree of protection	1000*1300*2300
Dimensions (W*D*H)mm	2300kg
Weight (approx.)	UN38.3, IEC62619, IEC61000-6-21-4
Certifications	

StorC 1MW/2MWh

Outdoor Distributed Model Energy
Storage System (Liquid-cooling)



Module Design

High environmental adaptability, lower operating noise



Safe and Reliable

Enables immediate tracking of system status.

Features fire protection design and enhanced environmental tolerance



Perfect Compatibility

Longer life cycle with increased usable energy, better battery cell temperature difference control



Smart and Easy Operation

Offers intelligent operation and maintenance along with customized services

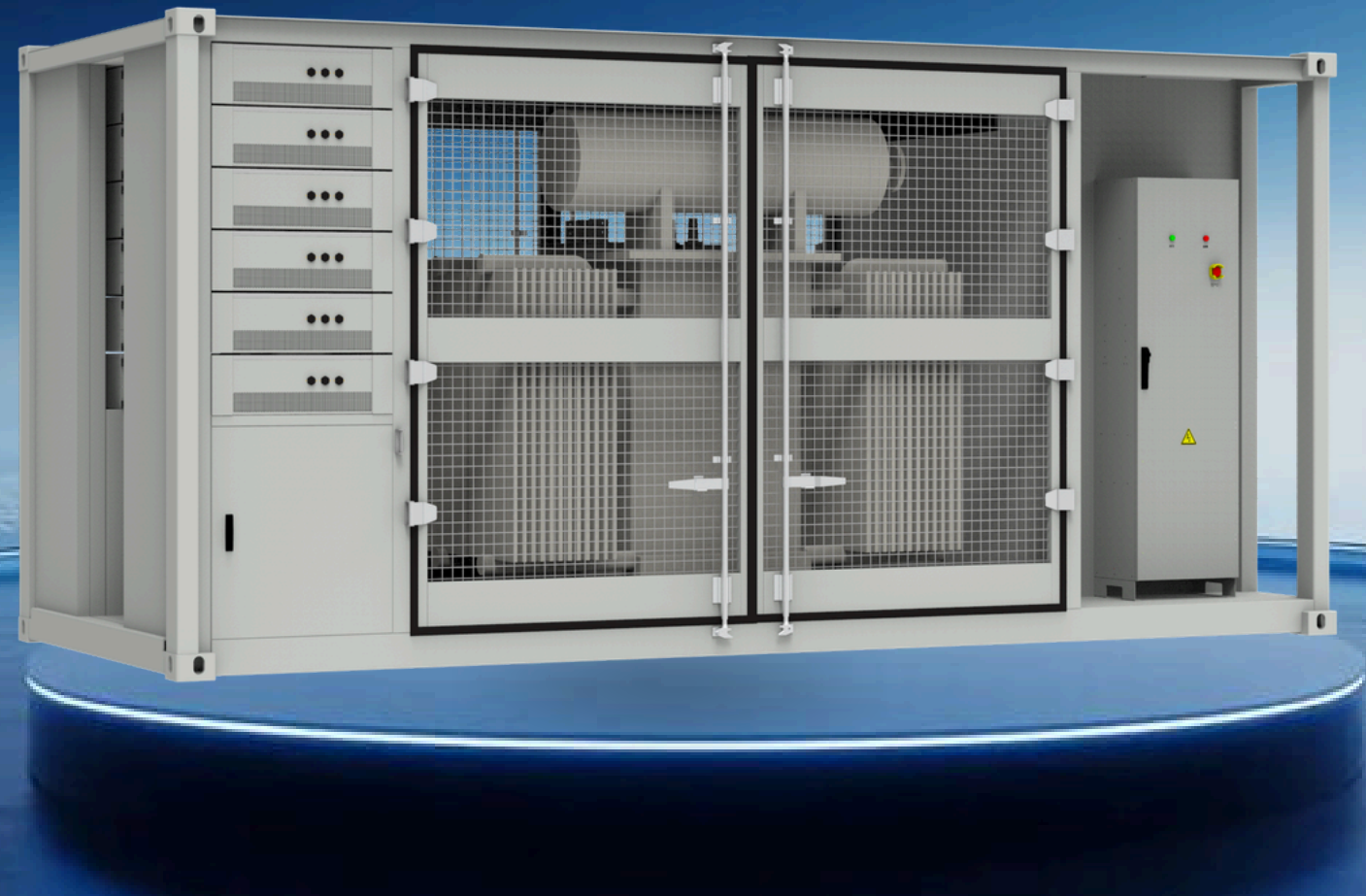


StorC 1MW/2MWh

Outdoor Distributed Model Energy Storage System (Liquid-cooling)

StorC 1MW/2MWh

Outdoor Distributed Model Energy Storage System (Liquid-cooling)



Model	StorC 1MW/2MWh
Battery	
Nominal Capacity (MWh)	2.089
Cell Type	LFP 3.2V/314Ah
Nominal DC Voltage (V)	832
DC Voltage Range (V)	728~936
Max DC Current (A)	206*8
Battery Model	1P*52S*5S
Electrical Parameter	
Rated/Max Power (kW)	1000/1100
Rated Voltage (V)	400, 3W+PE
Rated AC Frequency (Hz)	50/60±5
Operating Voltage Range (V)	580~1000
Full-Load Voltage Range (V)	625~950
THDi (Rated Power)	<3%
Power Factor	-1 Leading ~ +1 Lagging
Conventional Parameters	
IP Protection Level	IP54
Cooling Method	Liquid Cooling
Dimensions (W*D*H)(mm)	6058*2438*2896
Weight (T)	25
Certificates	UN38.3, IEC62619, IEC/EN62477, EN61000, CEI016, IEC62116/IEC61727, G99, EN50549, VDE4110, NRS 097 etc.

StorC

2.5MW/5MWh

Outdoor Distributed Energy Storage System (Liquid-cooling)



Module Design

Provides instant oversight of operations.
Reduces battery parallel connection, ensuring better system safety and higher capacity utilization



Safe and Reliable

Higher energy density, longer lifecycle with more usable energy, and stronger environmental tolerance



Smart and Easy Operation

Offers customized services along with intelligent operation and maintenance



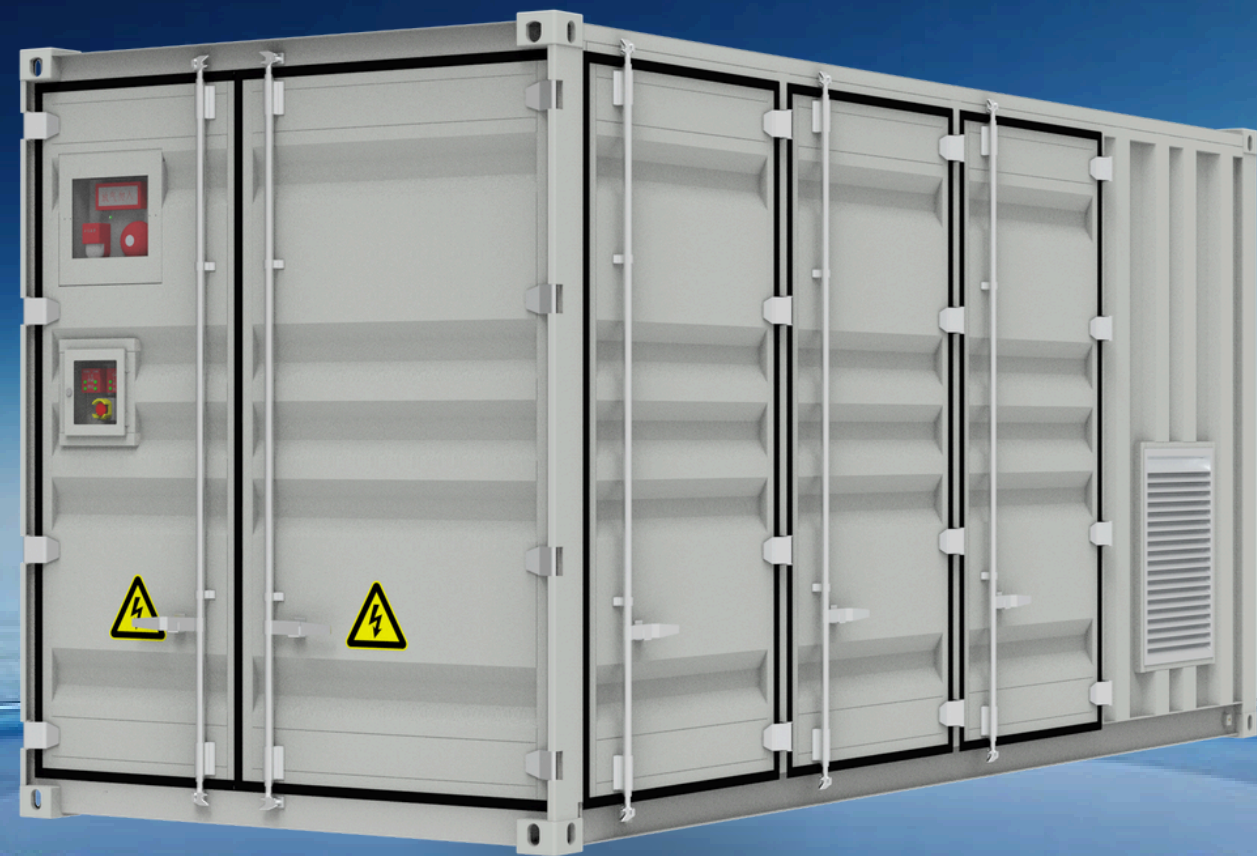
StorC 1MW/2MWh

Outdoor Distributed Model Energy Storage System (Liquid-cooling)



StorC 2.5MW/5MWh

Outdoor Distributed Model Energy
Storage System (Liquid-cooling)



Model	StorC 2.5MW/5MWh
Battery	
Nominal Capacity (MWh)	5.016
Cell Type	LFP 3.2V/314Ah
Nominal DC Voltage (V)	1331
DC Voltage Range (V)	1164.8~1497.6
Max DC Current (A)	206*12
Battery Model	12P*52S*8S
Electrical Parameter	
Rated/Max Power (kW)	2500/2750
Voltage Transformation (kV)	22
Transformer Type	Oil-Immersed transformer
LV Side Rated/Max AC Power (kW)	2500/2750
LV Side Rated Grid Voltage (V)	690
LV Side Rated AC Frequency (Hz)	50/60±5
THDi (Rated Power)	<3%
Power Factor	-1 Leading ~ +1 Lagging
Conventional Parameters	
IP Protection Level	IP54
Cooling Method	Liquid Cooling
Dimensions (W*D*H)(mm)	Electrical Container/Battery Container 6058*2438*2896
Certificates	CE, EMC, UN38.3



Imagine...

charging your phone
without checking PHCN's mood first
Yes, life can be that peaceful.

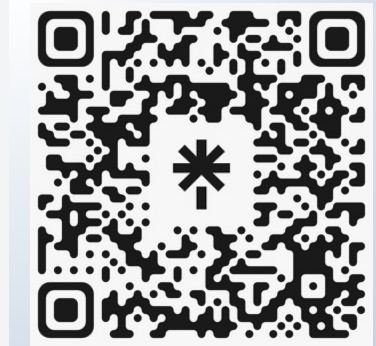
Be honest...

how many times have you said:
"Let me just wait, the light will come back"?
...and then it didn't

Because really...

power should be constant,
not a surprise guest

Scan to follow Absen



we promise it's worth it

Fun fact:

The sun shows up every day
(no excuses, no delay)

So why not

use the one source of power that
never ghosts you?

Let's make a deal

The sun keeps shining
You keep enjoying uninterrupted power
Simple enough?

THANK YOU



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