



ENERGY STORAGE CATALOG



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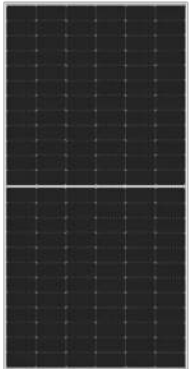
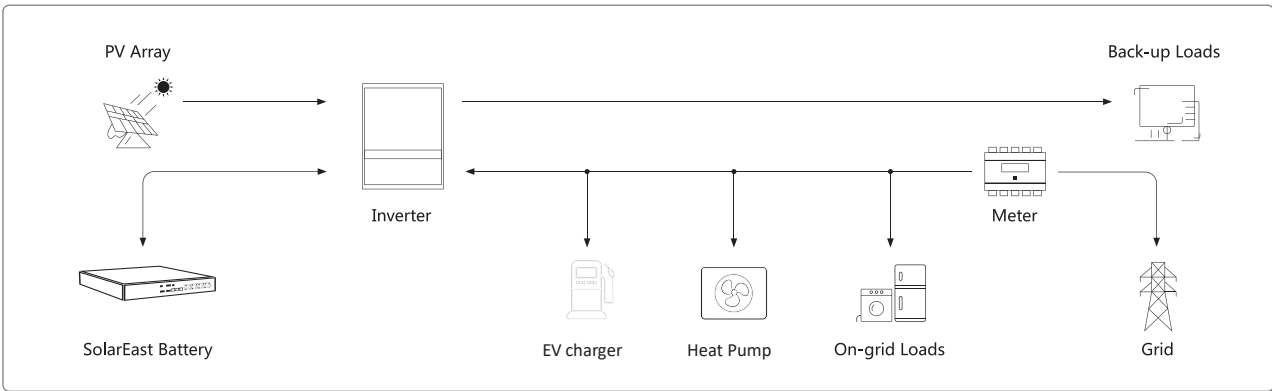
Your Renewable Energy Expert

INTEGRATED CLEAN ENERGY SOLUTION

▸ PV+ Energy Storage

▸ Features & Advantages

-  Backup energy storage
-  Easy installation
-  24/7 outage protection
-  Energy independence



PV+Energy Storage+Heat Pump+EV Charger

The Company can provide customers with "PV+storage+thermal/charging" combined system, which integrates low-cost power generation with power storage, realizing clean, efficient and cost-efficient energy end use.

The system includes PV module, hybrid inverter, energy storage battery module and air-source heat pump and/or EV charger.

The PV module adopts high-efficient mono-crystalline cells, which can be installed on the roof or ground according to the specific situation of users to better achieve clean and low-cost power supply. The energy storage module stores part of the electricity generated by the photovoltaic module and uses it at night or when the light is poor, therefore improving the utilization rate of the solar panels and reducing the use cost; while the air-source heat pump module uses heat pumps for heating, which can save 70% of electricity.





02

BATTERY ENERGY STORAGE PRODUCTS

Stack-mounted Residential ESS



Features & Advantages



Safety
LFP Battery, Intelligent BMS and protective hardware providing complete protection



Accuracy
Dynamic SOC calibration



Compatibility
Suitable for most mainstream inverters



Easy Installation
Stackable up to 7 packs



Durability
6,000 cycles at 95% DOD



Certificates
IEC62619, IEC63056, IEC62477-1, IEC60730, UN38.3, MSDS

Technical Specifications

Model		PowerCool-LFP-LV					
Battery type		LFP					
Number of connection		1pcs	2pcs	3pcs	4pcs	5pcs	7pcs
Total energy		5.22kWh	10.44kWh	15.66kWh	20.88kWh	26.11kWh	36.55kWh
Usable energy		4.96kWh	9.92kWh	14.88kWh	19.84kWh	24.80kWh	34.72kWh
Voltage		51.2V					
Max. charging voltage		57.6V					
Nominal charging current		50A	100A	150A	160A	160A	160A
Discharging cut-off voltage		44.8V					
Max. Battery efficiency		95%					
Max. recommended DOD		95%					
Communication		RS485/CAN					
IP rating		IP55					
Operating temperature		-10 ~ 50℃					
Altitude		≤5,000m					
Humidity		5% ~ 95%					
Warranty		10 years (5 free warranty + 5 paid warranty)					
Dimension		720*420*458mm	720*420*608mm	720*420*758mm	720*420*908mm	720*420*1058mm	720*420*1358mm
Net weight		63kg	113kg	163kg	213kg	263kg	363kg
Certificates		CE, IEC62619, IEC61000, IEC62040, IEC63056, UN38.3, MSDS					

Model		PowerCool-LFP-HV				
Battery type		LFP				
Number of connection		2pcs	3pcs	4pcs	5pcs	7pcs
Total energy		10.44kWh	15.66kWh	20.88kWh	26.11kWh	36.55kWh
Usable energy		9.92kWh	14.88kWh	19.84kWh	24.80kWh	34.72kWh
Voltage		102.4V	153.6V	204.8V	256V	358.4V
Nominal charging voltage		115.2V	172.8V	230.4V	288V	403.2V
Max. charging/discharging current		50A				
Discharge cut-off voltage		89.6V	134.4V	179.2V	224V	313.6V
Max. Battery efficiency		95%				
Maximum recommended DOD		95%				
Communication		RS485/CAN				
IP rating		IP55				
Operating temperature		-10 ~ 50℃				
Altitude		≤5,000m				
Humidity		5% ~ 95%				
Warranty		10 years (5 free warranty + 5 paid warranty)				
Dimension		720*420*608mm	720*420*758mm	720*420*908mm	720*420*1058mm	720*420*1358mm
Net weight		113kg	163kg	213kg	263kg	363kg
Certificates		CE, IEC62619, IEC61000, IEC62040, IEC63056, UN38.3, MSDS				

Wall-mounted Residential ESS



Features & Advantages



Wall-mounted or floor-standing



Safe LFP cells and smart BMS



Scalable up to 30kWh



6,000 cycles at 90% DOD
15+ years design life



Model		PowerCool-LFP-WLV5000
Total Energy*		5.12kWh
Usable Energy(DC)*		4.86kWh
Voltage		44.8~57.6Vdc
Nominal Voltage		51.2Vdc
Rated Capacity		100Ah
Max.Charge Voltage		57.6Vdc
Nominal Discharging Current		80A(1P) / 160A(2P) / 160A(3P) / 160A(4P) / 160A(5P) / 160A(6P)
Nominal Charging Current		50A(1P) / 100A(2P) / 150A(3P) / 160A(4P) / 160A(5P) / 160A(6P)
Weight		47kg
Dimension(mm)(H*L*W)		640*420*161.5mm
Max.recommendde DOD		95%
Operating Condition		Indoor
Operating	Charge	0~55℃
Temperature	Discharge	0~55℃
Standard Ambient Temperature Range		0~40℃
Storage Temperature Range		> 1 month 0~35℃ / ≤1 month -20~45℃
Humidity		5% ~ 95%(RH)(No Condensation)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Installation		Wall-mounted or floor-standing
IP Rating		IP 20
Protective Class		I
Max.Connection Number		6P
Communication		CAN/ RS485
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Certificates		CE,IEC62619,IEC61000,IEC62040,IEC63056,UN38.3,MSDS
Warranty		10 years (5 free warranty + 5 paid warranty)

Testing conditions based on temperature 25℃ at the beginning of life.
*Total Energy/Usable Energy measured under specific conditions from PowerCool-LFP-WLV 0.2C CC-CV

Vertical Residential All-in-One ESS (LV)

Features & Advantages

- All-in-One Design
 - AIO modular system that includes inverter, charger controller, UPS-level switching system and battery modules
- Easy Installation & Capacity Expansion
 - Plug & Play modular design
 - Save 50% installation time
 - Save 50% installation space
 - Scalable up to 30.72kWh
- High Safety
 - IP65 outdoor design
 - 3-level (cell-pack-system) protection
 - AFCI standard
 - Overload capacity 150%
- Easy Management
 - Dynamic SOC calibration
 - RSD Ready & VPP Ready
 - Support remote monitoring through mobile phone APP & global Cloud platform available



Technical Specifications

	Ares 3KAL	Ares 3.6KAL	Ares 4KAL	Ares 4.6KAL	Ares 5KAL	Ares 5.5KAL	Ares 6KAL
PV Input							
Max. Input Power	4.5 kW	5.4 kW	6.0 kW	6.9 kW	7.5 kW	8.3 kW	9.0 kW
Max. PV Voltage				550 V			
MPPT Range				80-500 V			
Full MPPT Range	90 – 500 V	110 – 500 V	120 – 500 V	130 – 500 V	150 – 500 V	160 – 500 V	170 – 500 V
Normal Voltage				360 V			
Startup Voltage				100 V			
Max. Input Current				18.5 x 2 A			
Max. Short Current				26 x 2 A			
No. of MPP Tracker / No. of PV String				2/2			
Battery Port							
Max. Charge/Discharge Power	3.0 kW	3.6 kW	4.0 kW	4.6 kW	5.0 kW	5.5 kW	6.0 kW
Max. Charge/Discharge Current	80 A				120 A		
Battery Normal Voltage				51.2 V			
Battery Voltage Range				40 – 60 V			
Battery Type				Li-ion / Lead-acid etc.			
AC Grid							
Max Coninuous Current	14.0 A	17.0 A	19.0 A	22.0 A	23.0A	26.0 A	28.0 A
Max Coninuous Power	3.0 kVA	3.6 kVA	4.0 kVA	4.6 kVA	5.0 kVA	5.5 kVA	6.0 kVA
Nominal Grid Current	13.7 / 13.1 A	16.4 / 15.7 A	18.2 / 17.4 A	21.0 / 20.0 A	22.8 / 21.8 A	25.0 / 24.0 A	27.3 / 26.1 A
Nominal Grid Voltage	198 to 242 @ 220 / 207 to 253 @ 230 V						
Nominal Grid Frequency	50 / 60 Hz						
Power Factor	0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)						
Current THD	< 3 %						
AC Load Output(Back-up)							
Max Coninuous Current	14.0 A	17.0 A	19.0 A	22.0 A	23.0 A	26.0 A	28.0 A
Max Coninuous Power	3.0 kVA	3.6 kVA	4.0kVA	4.6 kVA	5.0 kVA	5.5 kVA	6.0 kVA
Max Peak Current (10min)	20.5 / 19.6A	24.6 / 23.5A	27.3 / 26.1A	31.4 / 30A	34.1 / 32.7A	37.8 / 36.1A	41.0 / 39.2A
Max Peak Power (10min)	4.5 kVA	5.4 kVA	6.0 kVA	6.9 kVA	7.5 kVA	8.3 kVA	9.0 kVA
Nominal AC Voltage L-N				220 / 230 V			
Nominal AC Frequency				50 / 60 Hz			
Switching Time				< 10 ms			
Voltage THD				< 3 c			
Efficiency							
CEC Efficiency	97.0 %					98.1 %	
Max. Efficiency	97.6 %					98.1 %	
PV to Bat. Efficiency	98.1 %					98.1 %	
Bat. between AC Efficiency	96.8 %					96.8 %	
Protection							
PV Reverse Polarity Protection				Yes			
Over Current/Voltage Protection				Yes			
Anti-Islanding Protection				Yes			
AC Short Circuit Protection				Yes			
Residual Current Detection				Yes			
Ground Fault Monitoring				Yes			
Insulation Resister Detection				Yes			
PV Arc Detection				Yes			
Enclosure Protect Level				IP65 / NEMA4X			

	Ares 3KAL	Ares 3.6KAL	Ares 4KAL	Ares 4.6KAL	Ares 5KAL	Ares 5.5KAL	Ares 6KAL
General Data							
Dimensions (W*H*D)	600 x 430 x 210 mm						
Weight	25 kg						
Topology	Transformerless						
Cooling	Intelligent Fan						
Relatively Humidity	0-100 %						
Operating Temperature Range	-25 to 60 °C						
Operating Altitude	≤2000° m						
Noise Emission	<25 dB						
Standby Consumption	<10 W						
Mounting	Wall Bracket						
Communication with RSD	SUNSPEC						
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G						
Certification & Approvals	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2						
EMC	EN61000-6-2, EN61000-6-3						

Battery Cell Technology			PowerCool-LFP-VLV			
Number of Pack	1pcs	2pcs	3pcs	4pcs	5pcs	6pcs
Total Energy*	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Usable Energy*	4.86 kWh	9.72 kWh	14.59 kWh	19.45 kWh	24.32 kWh	29.18 kWh
Voltage Range	44.8 ~ 57.6 Vd.c					
Nominal Voltage	51.2 V					
Max. Charge Voltage	57.6 V					
Max. Continuous Charging Current	50 A	100 A	150 A	160 A	160 A	160 A
Max. Continuous Discharge Current	50 A	100 A	150 A	160 A	160 A	160 A
DOD	95 %					
Communication	CAN					
Dimension(L*W*H)	(600±2) * (215±2) * (360±3) mm	(600±2) * (215±2) * (680±5) mm	(600±2) * (215±2) * (1000±7) mm	(600±2) * (215±2) * (1320±9) mm	(600±2) * (215±2) * (1640±9) mm	(600±2) * (215±2) * (1960±9) mm
Net Weight	(50±2) kg	(97±4) kg	(144±6) kg	(191±6) kg	(238±6) kg	(285±6) kg
Operating Condition	Indoor or outdoor					
Operating Charging	0~55 °C					
Temperature Discharging	0~55 °C					
Humidity	15% ~ 85% (No Condensation)					
Cooling Type	Natural					
IP Rating	IP66					
Installation Method	Stacked installation					
Warranty	10 years (5 free warranty + 5 paid warranty)					
Configuration	IEC62619,IEC63056,IEC61000-6-1,IEC61000-6-3,IEC62477-1,IEC60730,IEC62040,UN38.3,MSDS					

Testing conditions based on temperature 25°C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from PowerCool-LFP 0.2C CC-CV

Vertical Residential All-in-One ESS (HV)

Features & Advantages

- All-in-One Design
 - AIO modular system that includes inverter, charger controller, UPS-level switching system and battery modules
- Easy Installation & Capacity Expansion
 - Plug & Play modular design
 - Save 50% installation time
 - Save 50% installation space
 - Scalable up to 23.04kWh
- High Safety
 - IP66 outdoor design
 - 3-level (cell-pack-system) protection
 - AFCI standard
- Easy Management
 - Dynamic SOC calibration
 - RSD Ready & VPP Ready
 - Support remote monitoring through mobile phone APP & global cloud platform available



Technical Data	Ares 3KAH	Ares 4KAH	Ares 5KAH	Ares 6KAH	Ares 8KAH	Ares 10KAH	Ares 12KAH	Ares 15KAH
PV Input								
Max. DC Input Power (kW)	5	6	7.5	9	12	15	18	22.5
Max. PV Voltage (V)	1000							
Rated DC Input Voltage (V)	620							
DC Input Volage Range (V)	150-1000							
MPPT Voltage Range (V)	150-850							
Full MPPT Range (V)	200-850		250-850		300-850		500-850	
Start-up Voltage (V)	160							
Max. DC Input Current (A)	20x2							
Max. Short Curent (A)	30x2							
No. of MPPT Tracker/Strings	2/2							
Battery Port								
Battery Nominal Voltage (V)	150	200	200	250	300	350	450	500
Battery Votage Range (V)	80-600							
Max. Charge/Discharge Current (A)	30							
Max. Charge/Discharge Power (kW)	3	4	5	6	8	10	12	15
Charging Curve	3 Stages							
Compatible Battery Type	Li-ion / Sodium-ion battery							
AC Grid								
Nominal AC Output Power (kW)	3	4	5	6	8	10	12	15
Max. AC Input/Output Power (kVA)	4.5/3.3	6/4.4	7.5/5.5	9/6.6	12/8.8	15/11	18/13.2	22.5 / 16.5
Max. AC Output Current (A)	5.3	7	8.5	10.5	13.5	17	21.5	27
Nominal AC Voltage (V)	230/400							
Nominal AC Frenquency (Hz)	50/60							
Power Factor	1 (-0.8-0.8) adjustable							
Current THD (%)	< 3%							
AC Load Output(Back-up)								
Nominal Output Power (VA)	3000	4000	5000	6000	8000	10000	12000	15000
Nominal Output Voltage (V)	230/400							
Nominal Output Frequency (Hz)	50/60							
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5	17.4	21.8
Peak Output Power	3300VA,60s	4400VA,60s	5500VA,60s	6600VA,60s	8800VA,60s	11000VA,60s	13200VA,60s	16500VA,60s
THDV (with linear load)	<3%							
Switching Time (ms)	<10							
Efficiency								
Europe Efficiency	97.50%							
Max. Efficiency	98.00%				98.20%		98.30%	
Battery Charge/Discharge Efficiency	98.00%							
Protection								
Reverse Polarity Protection	Yes							
Over Current / Voltage Protection	Yes							
Anti-islanding Protection	Yes							
AC Short-ciruit Protection	Yes							
Leakage Curent Detection	Yes							
Ground Fault Monitoring	Yes							
Grid Monitoring	Yes							
Enclosure Protect level	IP66							
General Data								
Dimensions ((L*W*H),mm)	600 * 432 * 210							
Weight (kg)	25							
Topology	Transformerless							
Cooling Concept	Natural Convection				Intelligent Fan			
Relatively Humidity	0-100%							
Operating Temperature Range (°C)	-25 to 60°C							
Operating Altitude (m)	<4000							
Noise Emission (dB)	<40							
Standby Consumption (W)	<5							
Display & Communication Lnterfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G							
Certification & Approvals	NRS097,G98/G99,EN50549-1,C10/C11,AS4777.2,VDE-AR-N4105,VDE0126, IEC62109-1, EC62109-2							
EMC	EN61000-6-2,EN61000-6-3							

Technical Specifications

Parameters of system

Type/model	PowerCool-LFP-VHV-9	PowerCool-LFP-VHV-13	PowerCool-LFP-VHV-18	PowerCool-LFP-VHV-23
Number of Pack （pcs）	2	3	4	5
Total Energy （kWh）	9.21	13.82	18.43	23.04
Usable Energy*（kWh）	8.74	13.12	17.50	21.88
Voltage Range（Vd.c）	112~144	168~216	224~288	280~360
Nominal Voltage（V）	128	192	256	320
Charging Voltage Declared by Manufacturer（V）	144	216	288	360
Nominal Charging Current（A）	30			
Nominal Discharge Current（A）	30			
DOD（%）	95			
Communication	CAN/RS485			
Dimension（(L*W*H),mm）	(600±2)*	(600±2)*	(600±2)*	(600±2)*
	(210±2)*	(210±2)*	(210±2)*	(210±2)*
	(610±3)	(895±5)	(1180±7)	(1465±9)
Net Weight（kg）	(105±2)	(149±4)	(193±6)	(237±6)
Operating Condition	Indoor or outdoor			
Storage Temperature Range	> 1 month 0~35℃; ≤1 month -20~45℃			
Operating Charging	0~55℃			
Temperature Discharging	0~55℃			
Humidity	15% ~ 85%RH(No condensation)			
Cooling Type	Natural			
IP Rating of Enclosure	IP66			
Installation Method	Stacked installation			
Warranty	10 years (5 free warranty + 5 paid warranty)			

*Testing conditions based on temperature 25°C at the beginning of life. Total Energy/Usable Energy are measured with a standard test method: 0.2C Charge and Discharge. As per the characteristics of lithium batteries, such parameters as the charge/ discharge current and efficiency listed above are subject to change. The final right of interpretation is reserved by Jiangsu SolarEast Energy Storage Technology Co., Ltd.

Pack

Battery Module Type		PowerCool-LFP-VHV
Total Energy		4.60 kWh
Usable Energy*		4.37 kWh
Voltage Range		56~72 Vd.c
Nominal Voltage		64 V
Charging Voltage Declared by Manufacturer		72 V
Upper Limit Charging Voltage		73 V
Discharge Cut-off Voltage		56 V
Lower Limit Discharging Voltage		52 V
Max.Continuous Charging Current		30 A
Max.Continuous Discharge Current		30 A
DOD		95%
Dimension ((L*W*H),mm)		(600±2) * (210±2) * (285±2)
Net Weight		(44±2) kg
Operating Condition		Indoor or outdoor
Operating	Charging	0~55 °C
Temperature	Discharging	0~55 °C
Humidity		15% ~ 85%RH(No Condensation)
Configuration		(10S)2S
Warranty		10 years

Rack-mounted Residential ESS



Features & Advantages

- **Safety**
LFP Battery, Intelligent BMS and protective hardware providing complete protection
- **Accuracy**
Dynamic SOC calibration
- **Compatibility**
Suitable for most mainstream inverters

- **Easy Installation**
Support parallel connection number up to 10
- **Durability**
6,000 cycles at 95% DOD,15+ years design life
- **Certificates**
CE/IEC62619/IEC63056/IEC62040 /UN38.3/MSDS

Technical Specifications

Model	PowerCool-LFP-5000
Battery Type	LFP
Total Energy	5.22kWh
Usable Energy	4.96kWh
Voltage	51.2V
Cell capacity	102Ah
Max. parallel connection number	10P
Max. charging voltage	57.6V
Nominal charging current	50A(single) /100A(multiple in parallel)
Nominal discharging current	80A(single) /100A(multiple in parallel)
Discharge cut-off voltage	44.8V
Battery efficiency	95%
Max. recommended DOD	95%
Communication	RS485/CAN
IP rating	IP20
Operating temperature	0 ~ 50℃
Cooling Type	Natural cooling
Altitude	≤5,000m
Humidity	5% ~ 95%(No condensed water)
Battery Protection	Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature
Warranty	10 years (5 free warranty + 5 paid warranty)
Dimension	560*390*138mm
Net weight	45kg
Case Material	Metal
Color	Black
Installation	Ground Installation

Testing conditions based on temperature 25℃ at the beginning of life.
*Total Energy/Usable Energy measured under specific conditions from PowerCool-LFP 0.2C CC-CV

Movable Residential ESS

WIFI | 95%DOD | 6000 Life Cy



Features & Advantages

-  Large Capacity
-  Reliable Operation
-  Built-in BMS Protection
-  Optimal Management
-  High Quality 360° Wheels
-  Reliable Backup Power



Nominal Voltage		51.2Vdc
Rated Capacity		314Ah
Max. Charge Voltage		57.6Vdc
Nominal Discharging Current		150A(1P) /160A(2P~6P)
Nominal Charging Current		150A(1P) /160A(2P~6P)
Weight		120kg
Dimension(mm)(H*L *W)		871*450*250mm
Max.recommended DOD		95%
Operating Condition		Indoor
Operating	Charge	0~55℃
Temperature	Discharge	-15~55℃
Standard Ambient Temperature Range		0~40℃
Storage Temperature Range		0℃ to 40℃ @60+25% Relative Humidity
Humidity		5% ~ 95%(RH)(No Condensation)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Installation		floor-standing
IP Rating		IP 20
Heating Film (Optional)	/	130W
Screen (Optional)	/	LED
Protective Class		I
Max. Connection Number		6P
Communication		CAN / RS485
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over-temperature
Certificates		CE,UN38.3,MSDS
Warranty		5 years

Testing conditions based on temperature 25℃ at the beginning of life.
*Total Energy/Usable Energy measured under specific conditions from PowerCool-WLL016A10.2C CC-CV

Wall-mounted Residential ESS

WIFI | 95%DOD | 6000 Life Cycles



Features & Advantages



Large Capacity



Reliable Operation



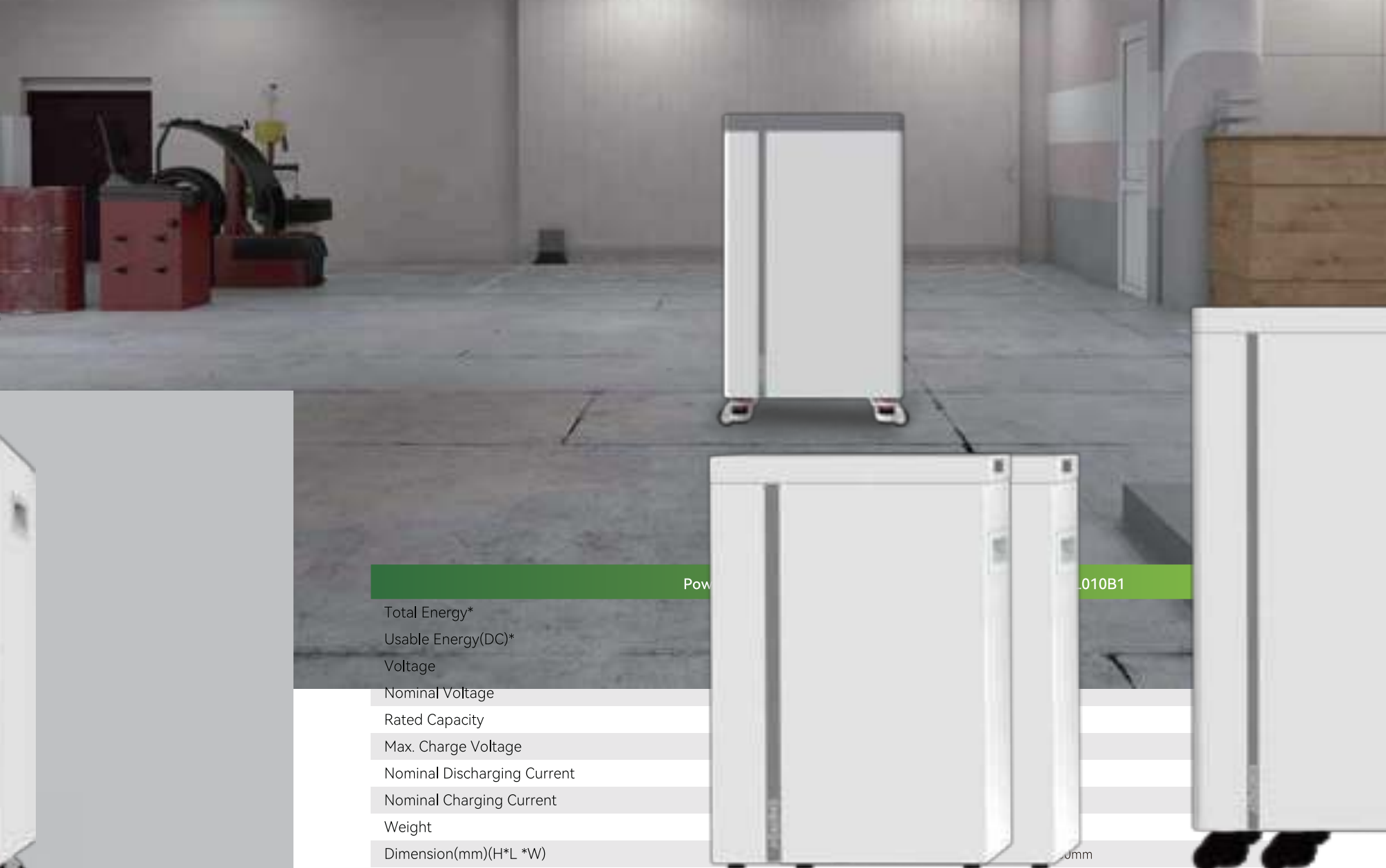
Built-in BMS Protection



Optimal Management



Reliable Backup Power



PowerCool-WLL010B1	
Total Energy*	
Usable Energy(DC)*	
Voltage	
Nominal Voltage	
Rated Capacity	
Max. Charge Voltage	
Nominal Discharging Current	
Nominal Charging Current	
Weight	
Dimension(mm)(H*L *W)	mm
Max.recommended DOD	95%
Operating Condition	Indoor
Operating Charge	0~55℃
Temperature Discharge	-15~55℃
Standard Ambient Temperature Range	0~40℃
Storage Temperature Range	>1 month 0~35℃ / ≤1 month -20~45℃
Humidity	5% ~ 85%(RH)(No Condensation)
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
Installation	floor-standing
IP Rating	IP 20
Heating Film (Optional)	130W
Screen (Optional)	/ LED
Protective Class	I
Max. Connection Number	6P
Communication	CAN / RS485
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over-temperature
Certificates	CE,UN38.3,MSDS
Warranty	5 years

Testing conditions based on temperature 25℃ at the beginning of life.
*Total Energy/Usable Energy measured under specific conditions from PowerCool-WLL010B1 0.2C CC-CV

Wall-mounted Residential ESS

WIFI | 95%DOD | 6000



Weight	44kg	
Dimension(mm)(H*L *W)	632*418*136.5mm	631*418*159mm
Max.recommended DOD	95%	
Operating Condition	Indoor	
Operating Charge	0~55℃	
Temperature Discharge	-15~55℃	
Standard Ambient Temperature Range	0~40℃	
Storage Temperature Range	0℃ to 40℃ @60+25% Relative Humidity	
Humidity	5% ~ 95%(RH)(No Condensation)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Installation	Wall-mouted or floor-standing	
IP Rating	IP 20	
Heating Film (Optional)	130W	
Screen (Optional)	/	LED
Protective Class	I	
Max. Connection Number	6P	
Communication	CAN / RS485	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over-temperature	
Certificates	CE,UN38.3,MSDS	
Warranty	5 years	

Testing conditions based on temperature 25℃ at the beginning of life.
*Total Energy/Usable Energy measured under specific conditions from PowerCool-WLL005B1 0.2C CC-CV

Features & Advantages



Large Capacity



Reliable Operation



Built-in BMS Protection



Optimal Management



Reliable Backup Power

03 | HYBRID INVERTER

Single-phase Hybrid Inverter



Features & Advantages

- Support Time-of-use Optimization
 - AFCI (Optional) & Rapid Shutdown Ready
 - 100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)
- Configurable Operation Modes
 - Build-in Anti-feed-in Function
 - Smart Monitoring & Remote Firmware Upgrade

Technical Specifications

	Ares 3.6KL	Ares 4KLP	Ares 5KLP	Ares 6KLP
PV Input				
Max. Input Power (kW)	5.4	6	7.5	9
Max. PV Voltage (V)			550	
MPPT Range (V)			80 – 500	
Full MPPT Range (V)	110 – 500	120 – 500	150 – 500	170 – 500
Normal Voltage (V)			360	
Startup Voltage (V)			100	
Max. Input Current (A)			18.5 x 2	
Max. Short Current (A)			26 x 2	
No. of MPP Tracker / No. of PV String			2 / 2	
Battery Port				
Max. Charge/Discharge Power (kW)	3.6	4.0	5.0	6.0
Max. Charge/Discharge Current (A)			120	
Battery Normal Voltage (V)			51.2	
Battery Voltage Range (V)			40 – 60	
Battery Type			Li-ion / Lead-acid etc.	
AC Grid				
Max Continuous Current (A)	17.0	19.0	23.0	28.0
Max Continuous Power (kVA)	3.6	4.0	5.0	6.0
Nominal Grid Current (A)	16.4 / 15.7	18.2 / 17.4	22.8 / 21.8	27.3 / 26.1
Nominal Grid Voltage (V)		198 to 242 @ 220 / 207 to 253 @ 230		
Nominal Grid Frequency (Hz)			50 / 60	
Power Factor		1 default (adjustable from 0.8 leading to 0.8 lagging)		
Current THD (%)			< 3	
AC Load Output				
Max Continuous Current (A)	17.0	19.0	23.0	28.0
Max Continuous Power (kVA)	3.6	4.0	5.0	6.0
Max Peak Current (A) (10min)	24.6 / 23.5	27.3 / 26.1	34.1 / 32.7	41.0 / 39.2
Max Peak Power (kVA) (10min)	5.4	6.0	7.5	9.0
Nominal AC Voltage L-N (V)			220 / 230	
Nominal AC Frequency (Hz)			50 / 60	
Switching Time (ms)			Seamless	
Voltage THD (%)			< 3	
Efficiency				
CEC Efficiency (%)			97.0	
Max. Efficiency (%)			97.6	
PV to Bat. Efficiency (%)			98.1	
Bat. between AC Efficiency (%)			96.8	
Protection				
PV Reverse Polarity Protection			Yes	
Over Current/Voltage Protection			Yes	
Anti-Islanding Protection			Yes	
AC Short Circuit Protection			Yes	
Residual Current Detection			Yes	
Ground Fault Monitoring			Yes	
Insulation Resister Detection			Yes	
PV Arc Detection			Yes	
Enclosure Protect Level			IP65 / NEMA4X	
AC/DC surge protection			Type II	
General Data				
Dimensions (W x H x D, mm)			370 x 535 x 192	
Weight (kg)	17		20.5	
Topology			Transformerless	
Cooling			Intelligent Fan	
Relative Humidity			0 – 100 %	
Operating Temperature Range (°C)			- 25 to 60	
Operating Altitude (m)			< 4000	
Standby Consumption (W)			< 10	
Mounting			Wall Bracket	
Communication with RSD			SUNSPEC	
Display & Communication Interfaces		LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Sunspec		
Certification & Approvals	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2, IEC62477-1			
EMC	EN61000-6-2, EN61000-6-3			

3

Single-phase Hybrid Inverter



Features & Advantages

- Support for Time-of-use Optimization
 - Arc Fault Circuit Interrupter (AFCI) (Optional)
 - The charging and discharging power of the battery is greater
- Configurable Operation Modes
 - Build-in Anti-feed-in Function
 - Smart Monitoring & Remote Firmware Upgrade
 - OFF-grid mode, with a larger load capacity, the maximum load can be 6KVA

Technical Specifications

	Ares 8KLP	AF9K-SLP	AF10K-SLP	AF11K-SLP	AF12K-SLP
PV Input					
Max. Input Power (kW)	12	13.5	15	16.5	18
Max. PV Voltage (V)	550				
MPPT Range (V)	80 – 500				
Full MPPT Range (V)	150 – 500	170 – 500	190 – 500	210 – 500	230 – 500
Normal Voltage (V)	360				
Startup Voltage (V)	100				
Max. Input Current (A)	18.5 x 3				
Max. Short Current (A)	26 x 3				
No. of MPP Tracker / No. of PV String	3 / 1+1+2				
Battery Port					
Max. Charge/Discharge Power (kW)	8.0	9.0	10	11	12
Max. Charge/Discharge Current (A)	200	240	240	240	240
Battery Normal Voltage (V)	51.2				
Battery Voltage Range (V)	40 – 60				
Battery Type	Li-ion / Lead-acid etc.				
AC Grid & Diesel Gen (Optional)					
Max Continuous Current (A)	37	41	46	50	55
Max Continuous Power (kVA)	8.0	9.0	10	11	12
Nominal Grid Current (A)	36.4 / 34.8	41 / 39.2	45.5 / 43.5	50 / 47.9	54.6 / 52.2
Nominal Grid Voltage (V)	198 to 242 @ 220 / 207 to 253 @ 230				
Nominal Grid Frequency (Hz)	50 / 60				
Power Factor	1 default (adjustable from 0.8 leading to 0.8 lagging)				
Current THD (%)	< 3				
AC Load Output					
Max Continuous Current (A)	37	41	46	50	55
Max Continuous Power (kVA)	8	9	10	11	12
Max Peak Current (A) (10min)	55.5	61.5	69	75	82.5
Max Peak Power (kVA) (10min)	12	13.5	15	16.5	18
Nominal AC Voltage L-N (V)	220 / 230				
Nominal AC Frequency (Hz)	50 / 60				
Switching Time (ms)	Seamless				
Voltage THD (%)	< 3				
Efficiency					
European Efficiency (%)	98.1				
Max. Efficiency (%)	96.8				
Protection					
PV Reverse Polarity Protection	Yes				
Bat. Reverse Polarity Protection	Yes				
Over Current/Voltage Protection	Yes				
Anti-Islanding Protection	Yes				
AC Short Circuit Protection	Yes				
Residual Current Detection	Yes				
Ground Fault Monitoring	Yes				
PV Arc Detection	Yes				
Enclosure Protect Level	IP66				
General Data					
Dimensions (W x H x D, mm)	785 x 614 x 258				
Weight (kg)	51				
Topology	Transformerless				
Cooling	Intelligent Fan				
Relative Humidity	0 – 100 %				
Operating Temperature Range (°C)	– 25 to 60 (Derating 45)				
Operating Altitude (m)	< 4000				
Standby Consumption (W)	< 30				
Mounting	Wall Bracket				
Communication with RSD	SUNSPEC				
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Sunspec				
Certification & Approvals	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2				
EMC	EN61000-6-2, EN61000-6-3				

Three-phase Hybrid Inverter



Features & Advantages

- Support for Time-of-use Optimization
 - Configurable Operation Modes
 - AFCI(Optional)& Rapid Shutdown Ready
- Build in Anti-feed-in Function
 - 100% unbalanced output,each phase
 - Smart Monitoring & Remote Firmware Upgrade

Technical Specifications

	Ares 3KMH3	Ares 4KMH3	Ares 5KMH3	Ares 6KMH3	Ares 8KMH3	Ares 10KMH3	Ares 12KMH3	Ares 15KMH3
PV Input								
Max. DC Input Power	5kW	6kW	7.5kW	9kW	12kW	15kW	18kW	22.5kW
Max. PV Voltage					1000V			
Rated DC Input Voltage					620V			
DC Input Voltage Range					150-1000V			
MPPT Voltage Range					150-850V			
Full MPPT Range	200-850V		250-850V		300-850V	500-850V		
Start-up Voltage					160V			
Max. DC Input Current					18.5 x 2A			
Max. Short Current					25 x 2A			
No.of MPPT Tracker / Strings					2/2			
Battery port								
Battery Nominal Voltage	350V	350V	350V	350V	350V	350V	450V	500V
Battery Voltage Range					80-600V			
Max. Charge/Discharge Current					30A			
Max. Charge/Discharge Power	3kW	4kW	5kW	6kW	8kW	10kW	12kW	15kW
Charging Curve					3 Stages			
Compatible Battery Type					Li-ion / Lead-acid / Sodium metal chloride battery			
AC Grid								
Nominal AC Output Power	3kW	4kW	5kW	6kW	8kW	10kW	12kW	15kW
Max. AC Input/Output Power	4.5 / 3.3kVA	6 / 4.4kVA	7.5 / 5.5kVA	9 / 6.6kVA	12 / 8.8kVA	15 / 11kVA	18 / 13.2kVA	22.5 / 16.5kVA
Max. AC Output Current	5.3A	7A	8.5A	10.5A	13.5A	17A	21.5A	27A
Nominal AC Voltage					3P+N+PE/3P+PE 230/400 V			
Nominal AC Frenquency					50/60Hz			
Power Factor					1 (-0.8-0.8 adjustable)			
Current THD					<3%			
AC Load Output (Bakc-up)								
Nominal Output Power	3kVA	4kVA	5kVA	6kVA	8kVA	10kVA	12kVA	15kVA
Nominal Output Voltage					3P+N+PE/3P+PE 230/400 V			
Nominal Output Frequency					50/60Hz			
Nominal Output Current	4.4A	5.8A	7.3A	8.7A	11.6A	14.5A	17.4A	21.8A
Peak Output Power	3.3kVA, 60s	4.4kVA, 60s	5.5kVA, 60s	6.6kVA, 60s	8.8kVA, 60s	11kVA, 60s	13.2kVA, 60s	16.5VA, 60s
THDV (with linear load)					<3%			
Switching Time (ms)					<10			
Efficiency								
Europe Efficiency					97.50%			
Max. Efficiency	98.00%				98.20%		98.30%	
Battery Charge/Discharge Efficiency					98.00%			
Protection								
Reverse Polarity Protection					Yes			
Over Current / Voltage Protection					Yes			
Anti-islanding Protection					Yes			
AC Short-circuit Protection					Yes			
Leakage Current Detection					Yes			
Ground Fault Monitoring					Yes			
Grid Monitoring					Yes			
Enclosure Protect Level					IP66			
AC/DC surge protection					Type II			
General Data								
Dimensions (W x H x D, mm)					370 x 598.5 x 192mm			
Weight (kg)					22kg			
Topology					Transformerless			
Cooling Concept	Natural Convection				Intelligent Fan			
Relatively Humidity					0-100%			
Operating Temperature Range (°C)					-25 to 60 °C			
Operating Altitude (m)					<4000			
Standby Consumption (W)					<5			
Display & Communication Interfaces					LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G			
Certification & Approvals	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2, IEC62477-1							
EMC					EN61000-6-2, EN61000-6-3			

Three-phase Hybrid Inverter



Features & Advantages

- Support Time-of-use Optimization
 - AFCI (Optional) & Rapid Shutdown Ready
 - 100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)
- Configurable Operation Modes
 - Build-in Anti-feed-in Function
 - Smart Monitoring & Remote Firmware Upgrade

Technical Specifications

	Ares 15KH3	Ares 20KH3	Ares 25KH3	Ares 30KH3
PV Input				
Max. DC Input Power (kW)	22.5	30	37.5	45
Max. PV Voltage (V)	1000			
Rated DC Input Voltage (V)	620			
DC Input Voltage Range (V)	150 - 1000			
MPPT Voltage Range (V)	150 - 850			
Full MPPT Range(V)	500 - 850			
Start-up Voltage (V)	160			
Max. DC Input Current (A)	20 + 32	32 x 2	40 x 2	
Max. Short Current(A)	30 + 48	48 x 2	60 x 2	
No. of MPPT Tracker / Strings	2/3	2/4	2/4	
Battery Port				
Battery Nominal Voltage (V)	500	500	500	550
Battery Voltage Range (V)	150 - 800			
Max. Charge/Discharge Current (A)	50	50	60	60
Max. Charge/Discharge Power (kW)	15	20	25	30
Charging Curve	3 Stages			
Compatible Battery Type	Li-ion / Lead-acid / Sodium metal chloride battery			
AC Grid				
Nominal AC Output Power (kW)	15	20	25	30
Max. AC Input/Output Power (kVA)	22.5 / 16.5	30 / 22	37.5 / 27.5	45 / 33
Max. AC Output Current (A)	27	32	40	48
Nominal AC Voltage (V)	230 / 400			
Nominal AC Frenquency (Hz)	50 / 60			
Power Factor	1 (- 0.8 - 0.8 adjustable)			
Current THD (%)	< 3 %			
AC Load Output (Back-up)				
Nominal Output Power (kVA)	15	20	25	30
Nominal Output Voltage (V)	230 / 400			
Nominal Output Frequency (Hz)	50 / 60			
Nominal Output Current (A)	21.8	29	36.3	43.5
Peak Output Power	16.5kVA, 60s	22kVA, 60s	27.5kVA, 60s	33kVA, 60s
THDV (with linear load)	< 3 %			
Switching Time (ms)	< 10			
Efficiency				
Europe Efficiency	97.50 %	97.80 %	98.00 %	98.10 %
Max. Efficiency	98.30 %		98.50 %	
Battery Charge/Discharge Efficiency	98.00 %			
Protection				
Reverse Polarity Protection	Yes			
Over Current / Voltage Protection	Yes			
Anti-islanding Protection	Yes			
AC Short-circuit Protection	Yes			
Leakage Current Detection	Yes			
Ground Fault Monitoring	Yes			
Grid Monitoring	Yes			
Enclosure Protect Level	IP65			
AC/DC surge protection	Type II			
General Data				
Dimensions (W x H x D, mm)	558 x 535 x 260 mm			
Weight (kg)	29kg		36kg	
Topology	Transformerless			
Cooling Concept	Intelligent Fan			
Relatively Humidity	0 - 100 %			
Operating Temperature Range (°C)	- 25 to 60 °C			
Operating Altitude (m)	< 4000			
Standby Consumption (W)	< 5			
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Sunspec			
Certification & Approvals	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2, IEC62477-1			
EMC	EN61000-6-2, EN61000-6-3			

Three-phase Hybrid Inverter



Features & Advantages

- Support Time-of-use Optimization
 - AFCI (Optional) & Rapid Shutdown Ready
 - 100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)
- Configurable Operation Modes
 - Build-in Anti-feed-in Function
 - Smart Monitoring & Remote Firmware Upgrade

Technical Specifications

	Ares 3KHP3	Ares 4KHP3	Ares 5KHP3	Ares 6KHP3	Ares 8KHP3	Ares 10KHP3	Ares 12KHP3
PV Input							
Max. DC Input Power (kW)	5	6	7.5	9	12	15	18
Max. PV Voltage (V)				1000			
Rated DC Input Voltage (V)				620			
DC Input Voltage Range (V)				150-1000			
MPPT Voltage Range (V)				150-850			
Full MPPT Range(V)	200-850			250-850	300-850	500-850	
Start-up Voltage (V)				160			
Max. DC Input Current (A)				20x2			
Max. Short Current(A)				30x2			
No. of MPPT Tracker / Strings				2x2			
Battery Port							
Battery Nominal Voltage (V)	100	100	100	150	200	250	300
Battery Voltage Range (V)	80 - 800					120 - 650	
Max. Charge/Discharge Current (A)				50			
Max. Charge/Discharge Power (kW)	3	4	5	6	8	10	12
Charging Curve				3 Stages			
Compatible Battery Type	Li-ion / Lead-acid / Sodium metal chloride battery						
AC Grid							
Nominal AC Output Power (kW)	3	4	5	6	8	10	12
Max. AC Input/Output Power (kVA)	4.5 / 3.3	6 / 4.4	7.5 / 5.5	9 / 6.6	12 / 8.8	15 / 11	18 / 13.2
Max. AC Output Current (A)	5.3	7	8.5	10.5	13.5	17	21.5
Nominal AC Voltage (V)				230 / 400			
Nominal AC Frenquency (Hz)				50 / 60			
Power Factor	1 (- 0.8 - 0.8 adjustable)						
Current THD (%)	< 3 %						
AC Load Output (Back-up)							
Nominal Output Power (kVA)	3	4	5	6	8	10	12
Nominal Output Voltage (V)				230 / 400			
Nominal Output Frequency (Hz)				50 / 60			
Nominal Output Current (A)	4.4	5.8	7.3	8.7	11.6	14.5	17.4
Peak Output Power	3.3kVA, 60s	4.4kVA, 60s	5.5kVA, 60s	6.6kVA, 60s	8.8VA, 60s	11VA, 60s	13.2kVA, 60s
THDV (with linear load)				< 3 %			
Switching Time (ms)				< 10			
Efficiency							
Europe Efficiency				97.50 %			
Max. Efficiency	98.00 %				98.20 %		98.30 %
Battery Charge/Discharge Efficiency				98.00 %			
Protection							
Reverse Polarity Protection				Yes			
Over Current / Voltage Protection				Yes			
Anti-islanding Protection				Yes			
AC Short-circuit Protection				Yes			
Leakage Current Detection				Yes			
Ground Fault Monitoring				Yes			
Grid Monitoring				Yes			
Enclosure Protect Level				IP65			
AC/DC surge protection				Type II			
General Data							
Dimensions (W x H x D, mm)				558 x 535 x 260 mm			
Weight (kg)				29kg			
Topology				Transformerless			
Cooling Concept	Natural Convection				Intelligent Fan		
Relatively Humidity				0 - 100 %			
Operating Temperature Range (°C)				- 25 to 60 °C			
Operating Altitude (m)				< 4000			
Standby Consumption (W)				< 5			
Display & Communication Interfaces	LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G, Sunspec						
Certification & Approvals	NRS097, G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2, IEC62477-1						
EMC	EN61000-6-2, EN61000-6-3						

Liquid-cooling Energy Storage Cabinet Solutions

• Product Features and Advantages

Providing products as OEM/ODM



Features & Advantages

• High Security

Battery circuit safety management, fast fuse protection.
A multi-level battery protection system ensuring impeccable safety.
Intelligent anti-leakage detection,enhancing system safety.

• High Integration

Highly integrated, easy to transport and operation and maintenance.
Fully pre-assembled, eliminating the need for on-site battery module installation.
On-site installation within 8 hours.

• Long Lifespan

Intelligent liquid cooling ensures higher efficiency and longer battery cycle life.
Modular design with parallel support for easy system expansion.

• Intelligent

Real-time status monitoring and fault recording to achieve fault warning and fault location.
Built-in battery performance monitoring and recording function.

Model	SE215L-100K	SE233L-125K	SE241L-125K	SE261L-125K
AC Side				
AC Rated Power	100kW	125kW	125kW	125kW
Allowable Grid Voltage Range	400V (-15%~10%)			
Allowable Grid Frequency Range	50/60Hz±2.5Hz			
Rated Current	145A	180A	180A	180A
Max. PCS Efficiency	98%			
Way of Connection	3P+N+PE			
Battery Side				
Cell Specification	LFP 3.2V/280Ah	LFP 3.2V/280Ah	LFP 3.2V/314Ah	LFP 3.2V/314Ah
Battery RACK Configuration	1P240S	1P260S	1P240S	1P260S
System Capacity	215kWh @ 25℃, 0.5P	233kWh @ 25℃, 0.5P	241kWh @ 25℃, 0.5P	261kWh @ 25℃, 0.5P
Voltage Range	648~864V	702~936V	648~864V	702~936V
System Parameter				
Charge/discharge Ratio	≤0.5P			
Display	Touch screen display (optional)			
Dimension(W*D*H)	1000*1350*2391mm(Incl. lifting lug) 1000*1350*2300mm(Excl. liftinglug)			
Weight	2400kg	2600kg	2450kg	2650kg
Noise	<75dB			
IP rating	IP54 (Pack: IP67)			
System Efficiency	>88%			
Cooling method	Liquid cooling			
Environmental Temperature	-30~55 ℃			
Humidity	≤95%			
Maximum working altitude	2000m			
Fire safety configuration	Aerosol			
Communication Interface	Ethernet/CAN/RS485			
Communication Protocol	MODBUS-TCP			
Compliant with standards	GB/T 34120, GB/T 36276, IEC62477, IEC62619, IEC63056			
Cycle Life	8000			



CE UN38.3

IEC61000 IEC62477
IEC62619 IEC63056

This product sheet is as comprehensive and detailed as possible based on existing information.
The company reserves the right to modify data, parameters and other information.

Large-scale Energy Storage Container Solutions

• Product Features and Advantages

Providing products as OEM/ODM



Technical Data	3.34MWh	5.015MWh
Battery type	3.2V, 314 Ah	
Max. connection number	1P416S*8	1P416S*12
Total energy	3343.97kWh	5015.96kWh
Rated power (0.5P)	1672kW	2500kW
Voltage range (Battery)	1123.2~1497.6V	
System		
Dimension (W*D*H)	6058mm *2438mm*2896mm	
Weight	≤35T	≤50T
IP rating	IP54 (Pack IP67)	
Operating temperature	-20~50℃	
Humidity	0-95%RH (no condensation)	
Altitude	≤2000m (Standard) /≤5000m(Optional)	
Cooling method	Liquid cooling/50% ethylene glycol	
Fire safety configuration	Aerosol	
Corrosion resistance	C4	
Communication Interface	CAN/Ethernet	
Certificates	GB/T36276 - 2023	
Cycle Life	8000	



This product sheet is as comprehensive and detailed as possible based on existing information. The company reserves the right to modify data, parameters and other information.

Features & Advantages

- **High Security**
Election of lithium iron phosphate cells with high thermal stability.
IP54 protection rating, meeting the needs of outdoor applications.
C4 protection rating, 20-year reliability.
Prevention based fire fighting strategy with independent fire fighting system.
- **Long Lifespan**
Integrated efficient liquid cooling system.
The temperature difference inside the container is <5℃.
- **High Integration**
Modular design, DC 1500V system.
Electrical and battery separation design, easy maintenance.
Non-walk-in/modular highly integrated design saves space.
Prefabricated compartment installation solution reducing on-site installation cost and commissioning time.

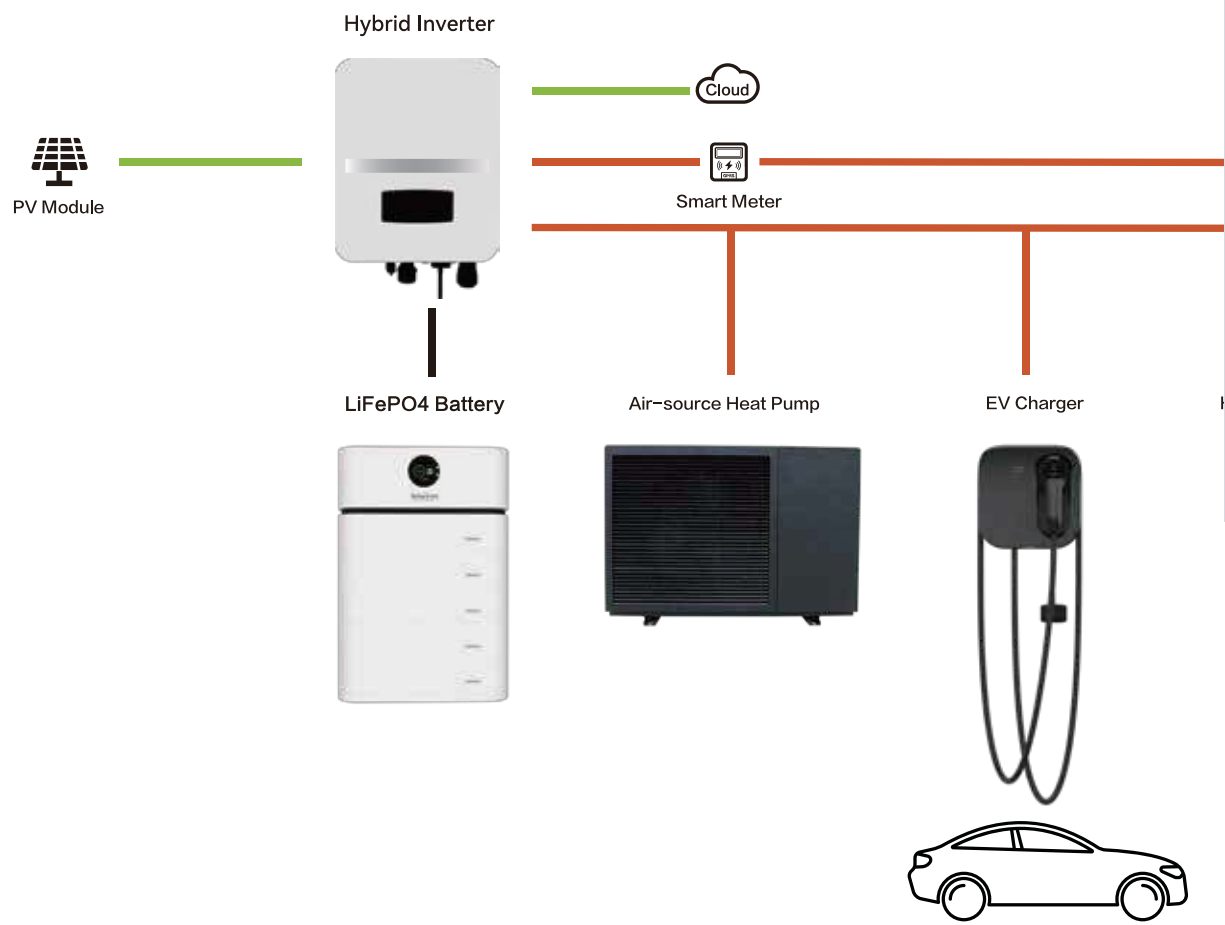
05 INTEGRATED CLEAN ENERGY SOLUTION

▸ PV+Energy Storage+Heat Pump+EV Charger

The Company can provide customers with "PV+storage+thermal/charging" combined system, which integrates low-cost power with power storage, realizing clean, efficient and cost-efficient energy end use.

The system includes PV module, hybrid inverter, energy storage battery module and air-source heat pump and/or EV charger.

The PV module adopts high-efficient mono-crystalline cells, which can be installed on the roof or ground according to the spe of users to better achieve clean and low-cost power supply. The energy storage module stores part of the electricity generate photovoltaic module and uses it at night or when the light is poor, therefore improving the utilization rate of the solar panels a the use cost; while the air-source heat pump module uses heat pumps for heating, which can save 70% of electricity.



Smart Energy Management System

With our self-developed smart home terminal based on IOT technology, our products can work smoothly together and play nice with the other devices in your house, therefore improving the quality of your life in terms of automation, security, comfort, and convenience.



06 PROJECT DEVELOPMENT

For those big power consumers, such as steel factories and chemical plants, the Company can work out feasibility study report and customize the energy storage facilities accordingly based on their load characteristics, with a view to helping them save power bill, postpone transformer capacity expansion, enhance utilization of PV power generation, and improve electrical safety alike through the means of peak load shifting and other avenues.

The Company provides overall solutions encompassing engineering, procurement, construction, operation & maintenance, and can offer financing for the eligible clients.



10MW/39MWh Energy Storage Station



PV Solar Thermal+Energy Storage Project, Tibet

