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YINERGY BRAND CULTURE

For Your Dream of Green Energy

Focused on Distributed Digital Energy Products and Solutions

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About Yinergy

Yinergy is a leading innovative digital energy technology company, focusing on distributed digital energy products and solutions. In July 2024, it secured an A round financing led by Puhua Capital.

Yinergy integrates electronic power and digital technology, relies on world-class quality control system, strong supply chain and perfect after-sales service capabilities, adheres to the vision and mission for a green energy future, continuously expands the boundaries of innovation, creates value for customers, and promotes Energy revolution.

YINERGY SOLUTION

Residential Solar + Storage + Charging Solution

Star Products

5-12kW Three Phase Hybrid Inverter

3-6kW Single Phase Hybrid Inverter

Major Pain Points

Unreliable Risk of explosion, unexpected power outages

Unprofitable Short lifespan and unpredictable returns, difficult to generate revenue

Inconvenient Complicated installation, space constraints

Yinergy Solutions

Safer Meets 3 safety standards

More Profitable Increases electricity income by 7.9%

Better service Improves revenue efficiency by 5.7%

Star Products

Liquid Cooling ESS

C&I Sloar + Energy storage + Charging Solutions

C&I Sloar + Charging Solutions

100kW Modular PCS

80-110kW String Inverter

	HI-3P5K-H-Y1	HI-3P6K
Max. PV Array Power	10000 W	12000
Max. Input Power	7500 W	9000
Max. Input Voltage		
Rated Input Voltage		
Auxiliary power Start-up voltage		
MPPT Operating Voltage Range		
Max. Input Current per MPPT	16 A	16 A
Max. Short-circuit Current per MPPT	20 A	20 /
No. of MPP Trackers		
No. of Strings per MPP Tracker	1	1
Battery Type		
Battery Voltage Range		
Max Charge / Discharge Current	20 A/ 20 A	20 A/ 2
Rated Power	5000 W	6000
Compatible Battery		
Compatible Dattery		
Rated Output Power	5000 W	6000
Max. Output Apparent Power	5500 VA	6600
Max Input Apparent Power	12000 VA	12000
Rated Grid Voltage		
Rated Grid Frequency		
Max. Output Current (per phase)	83Δ	10 /
Max. Input Current (per phase)	18.2 A	18.2
Power Factor	10.2 //	~1 (4
Total Harmonic Distortion, THDi		1.0
Rated Output Power	5000 W	6000
Peak Output Apparent Power 10s	10000 VA	12000
Switch Time	10000 1/1	12000
Rated Grid Voltage		
Rated Grid Frequency		
Max. Output Current (per phase)	8.3 A	10 A
Total Harmonic Distortion, THDv		
Max. Efficiency		
Euro Weighted Efficiency		
Max. Battery Discharge Efficiency		
Grid Regulation	EN 50549	9-1, VDE-AR
Safety Regulation		
EMC		
Dimensions (W x H x D)		
Weight		
Installation		
Operation Temperature		
Operation Humidity		
Protection Degree		
Max. Operating Altitude		
Cooling Method		
Noise Emission		
Topology		
Display		
Signal Input and Output		
Standby Consumption		

① To be released in Q2 2025

I-Y1	HI-3P8K-H-Y1	HI-3P10K-H-Y1	HI-3P12K-H-Y1		
	PV Input				
N	16000 W	20000 W	24000 W		
V	12000 W	15000 W	18000 W		
	1000 V				
	650 V				
	110 V				
	180 V~950 V				
	16 A	16 A/ 28 A	16 A/28 A		
	20 A	20 A/ 35 A	20 A/35 A		
	2				
	1	1/2	1/2		
	Battery Data				
	Li-ion /Lead-acid				
	170 V ~ 600V				
A	30 A/ 30 A	30 A/ 30 A	30 A/ 30 A		
V	8000 W	10000 W	10000 W		
	CAN, RS485				
Sunwoda	a, Pylontech, ACSUH	O, CESC			
ŀ	AC Input and Output				
V	8000 W	10000 W	12000 W		
A	8800 VA	11000 VA	12000 VA		
/A	16000 VA	16000 VA	16000 VA		
3L	/ N / PE, 380 V / 40	00V			
	50 Hz / 60 Hz				
	13.3 A	16.7 A	17.4 A		
	24.2 A	24.2 A	24.2 A		
ljustable	e from 0.8 leading to	0.8 lagging)			
-	<3 %				
Ba	ckup Output (Off Gr	id)			
V	8000 W	10000 W	12000 W		
/A	16000 VA	16000 VA	16000 VA		
	<4 ms				
3L	/ N / PE, 380 V / 40	VOV			
	50 Hz / 60 Hz				
	13.3 A	16.7 A	1/.4 A		
	<3%				
	Efficiency				
	98.U%				
	77.5%				
	97.0%				
1 4105					
4105,	NA/EEA-INE/-CH2020	J,G98,G99,PPD5:202	Z, NU KIG		
	1000 4 1 IEC/EN 62	2109-2			
EC/EN	Gonoral Data	000-6-3			
	514x496x205 mm				
	30 ka				
	Wall-mounted				
-25 °(C~+60 °C(>45 °CDer	ating)			
0~9	95% RH, No Condens	ing			
	IP66	5			
	4000 m				
Ν	latural Convection				
	<40 dB				
	Transformerless				
	LEDindicator, APP				
	DRM, 1×DI, 2×DO				
	<15 W				

	HI-1P3K -L-Y1	HI-1P3.68K -L-Y1	HI-1P4K -L-Y1	HI-1P4.6K -L-Y1	HI-1P5K -L-Y1	HI-1P6K -L-Y1
Max PV Array Power	6000 W/	5500 W/	8000 W/	7000 W/	1000 W/	12000 W
Max Input Power	4500 W	5500 W	6000 W	7000 W	7500 W	9000 W
Max Input Voltage	4300 11		5	50 V	/300 //	7000 11
Rated Input Voltage			3	60 V		
Start-up Input Voltage				90 V		
MPPT Operating Voltage Range			90 \	/~520 V		
Max. Input Current			1	16 A		
Max. Short-circuit Current				23 Δ		
No. of MPP Trackers	1	2	2	2	2	2
No. of Strings per MPP Tracker						
			Ba	attery		
Battery Type			Li-ion /	Lead-acid		
Battery Voltage Range			40	~60 V		
Max. Charge / Discharge Current	75 A	75 A	100 A	100 A	125 A	125 A
Rated Power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Communication Interface			CAN	, RS485		
Compatible Li-ion Battery Brand			Sunwoda, Pylont	ech, ACSUHO, CESC		
			AC Input and	Output (On Grid)		
Rated Output Power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Max. Output Apparent Power	3300 VA	4048 VA	4400 VA	5060 VA	5500 VA	6600 VA
Max. Input Apparent Power	6000 VA	7300 VA	8000 VA	9200 VA	10000 VA	10000 VA
Rated Grid Voltage			L / N / PE, 2	220 / 230 / 240 V		
Rated Grid Frequency			50 Hz	z / 60 Hz		
Max. Output Current	15 A	18.4 A **	20 A	23 A	25 A	30 A
Max. Input Current	27.3 A	33.2 A	36.4 A	41.9 A	45.5 A	45.5 A
Power Factor		~1(/	Adjustable from 0.	.8 leading to 0.8 lagg	jing)	
Total Harmonic Distortion, THDi			<	<3%		
			Backup Out	tput (Off Grid)		
Rated Output Power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W
Peak Output Apparent Power, 10s	6000 VA	7300 VA	8000 VA	9200 VA	10000 VA	10000 VA
Switch Time			<	10 ms		
Rated Grid Voltage			L / N / PE, 2	220 / 230 / 240 V		
Rated Grid Frequency			50 Hz	z / 60 Hz		
Max. Output Current	15 A	16.8 A	20 A	22.8 A	25 A	30 A
Total Harmonic Distortion, THDv			< 3% (L	_inear load)		
			Effi	ciency		
Max. Efficiency			9	8.0%		
Euro Weighted Efficiency	97.1%	97.1%	97.1%	97.1%	97.1%	97.1%
Max. Battery Discharge Efficiency	94.7%	94.7%	94.7%	94.7%	94.7%	94.7%
			Standard	Compliance		
Grid Regulation		EN 505	49-10, VDE -AR-N	1 4105, G98, G99, CE	10 -21	
Safety Regulation			IEC/EN 62109-	1, IEC/EN 62109-2		
EMC			IEC/EN 61000-6-	1, IEC/EN 61000-6-3		
			Gen	ieral Data		
Dimensions (W x H x D)			482 x 4	61 x 208 mm		
Weight	27 kg					
Installation	Wall- mounted					
Operation Temperature	-25 °C~ +60 °C (> 45 °C Derating)					
Operation Humidity	0~95% RH, No Condensing					
Protection Degree	IP66					
Max. Operating Attitude	4000 m (> 2000 m derating)					
Cooling Method			Natura	L Convection		
			<	40 dB	.)	
	High frequency isolation (for battery)					
Display	LED INDICATORS; INTEGRATED WI-F1/4G+APP					
StandPy Canaumatica			DRM,	IXDI, ZXDU		
Stanuby Consumption	<5 W					

- Battery module auto networking, automatic IP addressing, easy maintenance, support USB drive upgrade the firmware.
- Free stand design, floor- mounted, saving installation space .
- USB drive upgrade the firmware.

	BP-10.6H-Y1	BP-15.9H-Y1	
	AC Input		
Total Energy	10.6 kWh	15.9 kWh	
Battery Module	BP-SC-Y1 102	2. 4V 5. 3kWh	
Number of Modules	2	3	
Cell Type	LFP (Li	Fe P04)	
Nominal Voltage	204.8 V	307.2 V	
Operating Voltage	160 V - 233.6 V	240 V - 350.4 V	
Max . Charge / Discharge Current	50 A	50 A	
Continue Discharge Output	10 kW	15 kW	
	Other Parameter		
Dimension [W*D*H]	740 * 220 *900mm	740 * 220 * 1235mm	
Approximate Weight	116 KG	166 KG	
Recommend Depth of Discharge	90%		
LED Indicator	4 LED (SOC: 25%-SOC, 100% blue),	2 LED (working green, alarming red)	
IP Rating of Enclosure	IP65 (0	Dutdoor)	
Operating Temperature	Charge: 0°C - 50 C /	Discharge: 0°C - 50°C	
Storage Temperature	- 3°0	- 35°C	
Humidity	≤ 9	95%	
Altitude	≤ 20	000m	
Cycle Life	10 + years, 6000 cyc	cles (90% DOD, 25℃)	
Installation	Stack, Floo	pr-mounted	
Communication Port	CAN2.0), RS485	
Certi cation	UN38.3, IEC62619, UI1973		

[1] DC Usable Energy, test conditions: 90% DOD, 0.5°C charge & discharge at 25°C. System usable energy may vary due to system con guration parameters . [2] The current is a ected by temperature and SOC.

BP-BMS-Y1	High Voltage Batter
Operating Voltage Max Charge / Discharge Current Ingress Protection Operating Temperature Storage Temperature Dimension (W*D*H) Approximate Weight	70 - 600 Vdc 50 A IP65 (Outdoor) 0°C-50°C 0°C-35°C 740*220*170 mm 11 KG
BP-SC-Y1	Battery Module
Battery Type Nominal Voltage Nominal Capacity Nominal Energy Max Charge / Discharge Current Operating Temperature Storage Temperature Ingress Protection Dimension (W*D*H) Approximate Weight	LiFePO4 (LFP) 102.4 Vdc 52 Ah 5.3 kWh 50 A 0°C-50°C 0°C-35°C IP40 (Indoor) & IP65 (740*220*335 mm 50 KG
BP-BMS-Y1	Base
Dimension (W*D*H) Approximate Weight	740*220*60 mm 5 KG

System Components

ry Control Unit

(Outdoor)

•	Lithium Battery Auto-restart Function, More Convenient for
	Charging

 Multi Power supply Mode, Distribution of PV/Grid/Battery output

	OG-1P1612	OG-1P3024	OG-1P3624	OG-1P5548	OG-1P6248
			MPPT Solar Charger		
No. of independent MPPT	1	1	1	1	1
Max. PV Input	2000 W	4200 W	4200 W	5500 W	6200 W
MPPT Tracking Range	40~500 Vdc	120~500 Vdc	120~500 Vdc	120~500 Vdc	120~500 Vdc
Max PV Input Current	13 A	18 A	18 A	18 A	18 A
Max Charge Current	60 A	100 A	120 A	100 A	120 A
			Battery		
Rated Voltage	12 Vdc	24 Vdc	24 Vdc	48 Vdc	48 Vdc
Constant Charging Voltage (Adjustable)	14.1 Vdc	28.2 Vdc	28.2 Vdc	56.4 Vdc	56.4 Vdc
Float Charging Voltage (Adjustable)	13.7 Vdc	27 Vdc	27 Vdc	54 Vdc	54 Vdc
			Grid Input		
Rated AC Input	220 / 230 / 240 VAC, L / N / PE				
Frequency	50 Hz / 60 Hz(±5%)				
			Grid Output		
Rated Output Power	1600 W	3000 W	3600 W	5500 W	6200 W
Rated Output Voltage	230 VAC ±5%				
Frequency	50/60 Hz ±0.1%				
Output Wave			Pure Sine Wave		
Peak Power	3200 VA	6000 VA	7200 VA	11000 VA	12400 VA
			GENERAL		
Communication Interface	LCD / RS232(Baudrate 2400)				
Operating temperature range	-10~50°C				
Storage Temperature	-15~60°C				
Max. operation altitude	<1000 m				
Relative humidity		20%-95% (Non Condensing)			
Noise emission(typical)			≤ 50 dB		
Dimensions (WxHxD)	345x254x105 mm		565x385x195 mm		552x385x193 mm
Standards and Certifications		EN-IEC 60335-	-1, EN-IEC 60335-2-2	9, IEC 62109-1	

	HI5-1P6K48	H15-1P8K48	H15-3P12K48
May Japant Dawar	4500 W + 4500 W	PV Input	0000 W + 0000 W
	16 Δ + 16 Δ	22 /	 4 + 22 Δ
Max. Input Current	27 A + 27 A	ZZ r	Δ + 37 Δ
Max. Short circuit Current	E00 Vd	0, + E00 V/dc	900 V/do + 900 V/do
	500 Vul	2	
	120 - 450 V/do	125 - 125 V/dc	200 x 6E0 V/dc
on r operating voltage hange	120 * 450 Vúc	Rattery	200 ~ 050 Vac
Battery Type		Lead-acid / Li-ion / User-defin	ed
Rated Battery Voltage		48 V	
Battery Voltage Range		40 ~ 60 Vdc	
Max. PV Charging Current	100 A	200 A	260 A
Max. Grid Charging Current	60 A	120 A	120 A
1ax. Generator Charging Current	60 A	60 A	120 A
		AC Outout (Grid)	12071
Rated Output Power	6000 W	8800 W	12000 W
Max Apparent Power	12000 VA	8800 VA	12000 W
Max. Output Current	28.6 A	40 A	17.4 A
THDI		< 3%	
Power Factor			
Rated Voltage	230 Vac Sir		230/400 Vac Throo-phase
Frequency	250 vac,51	50 Hz/60 Hz	
riequency		Gird / Generator Input	
			Di
Input Voltage Range	90 ~ 28	30 Vac	Line voltage 305 ~ 485 Vac
Input Frequency Range		50 / 60 Hz	
Bypass Overload Current	40 A	63 A	35 A
		Backup Outout	
Rated Output Power	6000 W	8800 W	12000 W
Max.Peak Power	12000 VA	17600 VA	24000 VA
Rated Output Voltage	230 Vac, Si	ngle-phase	230/400Vac , Three-phase
Load Capacity of Motors	4 HP	5 HP	6 HP
Output Frequency Range		50 Hz / 60 Hz	
Switching Time		<10 ms	
		Efficiency	
MPPT Tracking Efficiency		99.90%	
Max. Efficiency		97.50%	
		General	
Max. Num. of Parallel		6	
Dimension	556*345*182 mm	670*440*240 mm	700*440*260 mm
Weight	20 kg	37 kg	39.2 kg
Protection Degree		IP65	
Operating Temperature Range		-25~60°C (>45°C derating)	
Humidity Range		0% ~ 100%	
Noise		<50 dB	
Cooling Method	Intelligent Air Cooling		
Warranty		5 years	
		Communication	
Internal Interface		RS485 / CAN / USB / Dry cont	act
External Module (optional)		, Wi-Fi / GPRS	
		Certifacition	
Grid Certification	IEC 61727, IEC 62116, EN5	0549-1, G99, NRS-097, VDE-AF	RN-4105, CEI021, UNE217002
	EN IEC 62109-1 / -2		
Safety		EN IEC 62109-1 / -2	

Special Design

- Finned radiator
- 5.8G Radar Courtesy light
- Solar compatiable (1-/3-Phases auto switching)
- Wire terminal temperature detection

Integrated Intelligence

- App/RFID authentication
- OCPP compliance
- Bluetooth bridge 4G remote operation and maintenance
- Remote OTA & Near-end Bluetooth OTA

Future Proof

- 7/11/22kW optional
- Rich features for future extension

Enhanced Safety

- Integrated AC30mA + DC6mA RCD
- Anti-error wire connect protection
- OVP/LVP/OCP/OTP/SPD protection
- PEN protection

Adapt to Various Scenario

- DLB function in multi-charging pile scenario
- Meet the 65°C high temperature scenario
- Compatible to Community, office bullding commercial complex etc

Low Standby Power Consumption

• Less than 5W Standby Power

	Panda wall box			
Model	AJEU-AC11-7KCH-L	AJEU-AC31-11KCH-L	AJEU-AC31-22KCH-L	AJEU-AC31-22KCH-LP
Standard		IEC61851 / IEC62196 /	IEC61000-6 / IEC62955	
Charging type		Mode3,	Level 2	
Power Specifications		Power Spe	ecifications	
AC input	240 Vac Max.32 A single phase	400 Vac Max.16 A three phases	400 Vac Max.3	2 A three phases
Input connection	L/N/PE		L1/L2/L3/N/PE	
AC output	7 KW @ 32A (Max)	11 KW @ 16A (Max)	22 KW @ 3	32A (Max)
Energy Meter		High accurac	cy measure IC	
		User in	nterface	
Display		L	CD	
Status indication		LED+ Auto d	courtesy light	
User authentication		RFID / QR	code / APP	
Communication	Wifi + Bl	uetooth + Ethernet (optional) +	RS485 (Customized) + CAN (Cu	ustomized)
Protocol		OCPP1.	6J basic	
		Mech	anical	
Dimensions H×W×D		200 mm * 200) mm * 100 mm	
Net Weight	3 KG			
Charging interface	IEC62196 - 2 (Type2) Cable 5 m			
		Enviror	nmental	
Operating Temperature		-30°C~	+ 50°C	
Store Temperature		-40°C~	+ 80°C	
Humidity		≤ 85	% RH	
Altitude		≤ 20	00 m	
Mounting	Wall or floor using a pedestal			
IP and IK rating		IP	54	
Enclosure	Plastic NEMA type 3			
	Protection			
RCD	AC30 mA + dc6 mA			
Input line	Surge protection, OVP/UVP, ground fault protection, Anti-error wire connection protection, Wire terminal temperature detection			
Output line	CP fault, MCU fault detection, OCP/OTP/, Residual current protection, PEN(optional), Relay welding detection			
	Configuration			
Software update	APP			
Control and configuration		APP		
Solar compatiable		No		1-/3-Phases auto switching
		Certification	and standards	
Safety standards		IEC61851, IEC62196, I	EC61000-6, IEC62955	
Certification	CE, UKCA Pending			

	SI-3P36K-L-Y1
Max. Input Voltage	
MPPT Voltage Range / Rated Input Voltage	180 V - 1
Start -up Voltage	
Max. MPPT Input Current	40 A / 32
Max. MPPT Short Circuit Current	50 A / 40
No. of MPPT / No. of String per MPPT	4 (2
Rated Output Power	36 kW
Max. Output Apparent Power	39.6 kVA
Rated Output Voltage	
Rated Voltage Frequency	50 H
Max. Output Current / Rated Output Voltage	57.4 A / 52.2 A
Power Factor / Power Factor Range	
Phase	
Total Current Waveform Distortion Rate	
May Efficiency / European Efficiency	
DC Switch	
DC Insulation Impedance Detection / Grid Monitoring	
DC Reverse Polarity Protection / AC Short Circuit Protection	
Residual Current Monitoring	
Lightning Protection	
Anti Is-landing Protection	
Dimensions (W x H x D)	
Weight	;
Operation Temperature	
Nighttime Self-Consumption	
Topology	
Cooling	
Protection Rating	
Operation Humidity	
Max. Operating Altitude	
DC Input Connector	
AC Output Connector	
Display	
Communication	
Certification	

-Y1	SI-3P40K-L-Y1	SI-3P50K-L-Y1		
PV Input				
	1100 V			
180 V - 10	00 V / 630 V	200 V - 1000 V / 630 V		
	160 V / 200 V			
40 A / 32 A	/ 20 A / 20 A	40 A / 40 A / 20 A / 32 A		
50 A / 40 A	A / 25 A / 25 A	50 A / 50 A / 25 A / 40 A		
4 (2/	2 / 1 / 1)	4 (2/2/1/2)		
	AC Output			
	40 kW	50 kW		
Ą	44 kVA	55 kVA		
	220 V / 380 V; 230 V / 400 V			
50 Hz	z / 45 Hz ~ 55 Hz; 60 Hz / 55 Hz	~ 65Hz		
.2 A	63.8 A / 58.0 A	80 A / 72.2 A		
	1 (0.8 Leading 0.8 Lagging)			
	3L / N / PE			
	≤3% (Rated power)			
	Efficiency & Protection			
	98.7% / 98.3%			
	Yes			
	Yes / Yes			
	Yes / Yes			
	Yes			
	Yes			
	Yes			
	General Data			
	574 * 513.5 * 234.5 mm			
29	2.5 kg	30.5 kg		
	-25 °C ~ 60 °C			
	<1 W			
	Transformerless			
	Smart force air cooling			
	IP66			
	0 ~ 100%			
	3000 m			
	Features			
	Vaconn / Jinko			
	OT Connector			
LED, APP				
	4G, RS485			
	NB/T 32004			

	SI-3F
Max. Input Voltage	
MPPT Voltage Range / Rated Input Voltage	
Start -up Voltage	
Max. MPPT Input Current	
Max. MPPT Short Circuit Current	
No. of MPPT / No. of String per MPPT	8
Rated Output Power	80
Max. Output Apparent Power	88
Rated Output Voltage	
Rated Voltage Frequency	
Max. Output Current / Rated Output Voltage	127 A
Power Factor / Power Factor Range	
Phase	
Total Current Waveform Distortion Rate	
Max. Efficiency / European Efficiency	
DC Switch	
DC insulation impedance detection / Grid Monitoring	
DC reverse polarity protection / AC short circuit	
Residual Current Monitoring	
Surge protection	
Anti Is-landing Protection	
Arc fault circuit interrupter (AFCI)	
Dimensions (W x H x D)	
Weight	
Operation Temperature	
Nighttime Self-Consumption	
Τοροίοαν	
Cooling	
Protection Rating	
Max Operating Altitude	
Certification	

SI-3P-80K-L-Y1	SI-3P-100K-L-Y1	SI-3P-110K-L-Y1
	PV Input	
	1100 V	
	200 V ~ 1000 V / 630 V	
	200 V / 250 V	
	32 A	
	48 A	
8 / 2	10 / 2	10 / 2
	AC Output	
80 kW	100 kW	110 kW
88 kW	110 kW	121 kW
22	0 V / 380 V; 230 V / 400	V
50 Hz /	45 Hz ~ 55 Hz; 60 Hz /	55 Hz ~ 65Hz
127 A / 115.5 A	158.8 A / 144.3 A	174.7 A / 158.8 A
1	/ 0.8 Leading to 0.8 Lag	ging
	3L / N / PE	
	≤3% (Rated power))
	Efficiency & Protection	
	98.6% / 98.1%	
	Yes	
	Yes / Yes	
	Yes / Yes	
	Yes	
	DC Type II / AC Type	
	Yes	
	Optional	
	General Data	
	984 x 640 x 330 mn	n
	86 kg	
	-25 °C ~ +60 °C	
	<3 W	
	Transformerless	
	Smart forced air cooli	ng
	IP66	
	0 ~ 100%	
	4000 m	
	Features	
	Vaconn / Jinko	
	OT Connector	
	LED, APP	
	4G, RS485	
	NB/T 32004	

PCS-100KM-L-Y1
AC Output Data
100 kW
3W / PE
110 kW
On-Gridoperation Mode
400 Vac (-15%~+15%)
50 Hz
0.99 (-1~+1)
\$5%
Off-Grid Operation Mode
50 Hz
DC output Data
110 kW
620~200 V
170.4
1/0 A
Yes
>98%
General Parameters
500 x 220 x 725 mm
58 Kg
<70 dB
IP20
-30°C~+60°C (>45°C Derating)
Smart fan cooling
0~95% (Non-condensing)
4000 m (>2000 m derating)
GB/T 34120-2017, GB/T 34133-2017
Display & Communication
LED
RS485, Ethernet, CAN 2.0
RTU / Modbus TCP
Protection

Battery reverse polarity protection, DC Overcurrent Protection, AC Overcurrent Protection, AC Overvoltage Protection, Surge Protection, Grid Monitoring, Fault self-diagnosis

Cell Capacity/TypePack ParametersPack System ConfigurationDC Operating Voltage RangeSystem CapacityCharge and Discharge RateBalancing MethodMax. Output PowerOverload CapacityGrid VoltageGrid VoltageGrid Access MethodGrid Access MethodGrid Access MethodCommunication InterfaceCommunication ProtocolInteractive InterfaceSystem Dimension (W*H*D)Operation TemperatureOperation HumidityMax . Operating AltitudeCooling MethodDC ProtectionMax . Operating AltitudeAC SPDAnti-corrosion LevelFire Protection System	
Cell Capacity/Type Pack Parameters Pack System Configuration DC Operating Voltage Range System Capacity Charge and Discharge Rate Balancing Method Number of Cycles Max. Output Power Max. Output Power Overload Capacity Grid Voltage Grid Voltage Grid Access Method Max. system Efficiency Communication Interface System Dimension (W*H*D) Weight Operation Temperature Operation Method Max. Operating Altitude Cooling Method Cell Certification Max. Operating Altitude DC Protection AC SPD IP Rating Anti-corrosion Level Fire Protection System	
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DC Protection AC SPD IP Rating Anti-corrosion Level Fire Protection System	Cell Certification
DC Protection AC SPD IP Rating Anti-corrosion Level Fire Protection System	
AC SPD IP Rating Anti-corrosion Level Fire Protection System	DC Protection
IP Rating Anti-corrosion Level Fire Protection System	AC SPD
Anti-corrosion Level Fire Protection System	IP Rating
Fire Protection System	Anti-corrosion Level
	Fire Protection System

AIO-100K215-L-Y2
DC Specification
280 Ah / LFP
1P48S / 43 kWh
1P240S
672 V ~876 V
215 kWh
≤0.5C
Pack level passive equalization
≥6000@80%SOH
AC Input and Output
100 kW
110 kW
110%(45℃), 120% 1min
400 V (-15%~+15%)
50 Hz
0.99 (-1~+1)
<3%
3W / N / PE
System Specification
90%
Ethernet
Modbus TCP / IEC104
Modbus TCP / IEC104 LCD touch screen
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm ≤2500 kg
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg -30°C~+55°C (>45°C Derating)
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg -30°C~+55°C (>45°C Derating) 0~95% RH (no condensing)
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm ≤2500 kg -30°C~+55°C (>45°C Derating) 0~95% RH (no condensing) 4000 m (2000 m derating)
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg -30°C~+55°C (>45°C Derating) 0~95% RH (no condensing) 4000 m (2000 m derating) Liquid Cooling
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg -30°C~+55°C (>45°C Derating) 0~95% RH (no condensing) 4000 m (2000 m derating) Liquid Cooling 76-2018, GB/T 34120-2017, GB/T 34133-2017
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg -30°C~+55°C (>45°C Derating) 0~95% RH (no condensing) 4000 m (2000 m derating) Liquid Cooling 76-2018, GB/T 34120-2017, GB/T 34133-2017
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg
Ethernet Modbus TCP / IEC104 LCD touch screen 1000x2350x1300 mm <2500 kg

Perfluorohexanone

GB/T 36276-3

Safe and Reliable Easy Installation

- Support data transmission
- Encryption & data recovery

- Intelligent O&M
- Plug-and-play
- Support rem
- Cable free Parameter configuration and fault analysis

note	software	upgrade	•

	LS4G-5	LSW-5	LSE-3
Remote Communication Interface	4G (Domestic)	2.4G WiFi	LAN
Satellite Positioning	<20m (Optional)		
Antenna Options	Build in antenna	Build in antenna	
Rated Input Voltage		DC 5-12 V	
Rated Power	3.5 W	1.5 W	1 W
SIM	Chip card / MicroSIM		
Data Storage	8M Flash	8M Flash	2M Flash
Working Temperature		-40 °C ~ +85 °C	
Working Humidity(No condensation)		< 90% (No condensation)	
Numbers of ConnectedInverters		1	
Interval of Data Upload	Ę	5 Minutes (1-5 Minutes optional)	
User Configuration	Bluetooth / APP	Bluetooth / APP / Web / OTA	OTA / Web
Firmware Upgrade	OTA	OTA / Web	OTA / Web
Real-time Control		Yes	
Breakpoint Transmission		Yes	
Outage Reminder	Optional	Optional	

Real Time Monitoring	Easy understanding statu
User-Friendly	Automatically calculate p
Fault Alarm	Quick location of power p
User-Friendly Fault Alarm	Automatically calculate p Quick location of power

ALC: *	14	er T Sele	ct Parameters
Name*	Parent	Daily+	Capacity
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all mo		Duly	Capacity
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Monitor

or "Status Differentiation" to view the relevant power station data dashboards

Support selecting "My Watchlist" Monitoring section supports the control of the whole process of access, management, analysis, etc

us of inverters, modules, and batteries

profits based on electricity generation

plant faults

Alerts

Alerts module can summarize and display the alert data information of the equipment added to the power station for management

Applications

Provide optimized application solutions for operators, installers and equipment providers

YINERGY SERVICE CASES

Hangzhou, Zhejiang Storage 400 kW / 860 kWh

Taizhou, Zhejiang

Storage 200 kW / 430 kWh

Taizhou, Zhejiang

Storage 200 kW / 430 kWh

Wenzhou, Zhejiang

Storage 0.6 MW / 1.3 MWh

Wuxi, Jiangsu Storage 200 kW / 430 kWh

C & I

Cases

Wenzhou, Zhejiang Storage 200 kW / 430 kWh

Taizhou, Zhejiang Storage 200 kW / 430 kWh

Shaoxin, Zhejiang Storage 200 kW / 430 kWh

Dongwan, Guangdong Storage 0.8 MW / 1.72 MWh

Hangzhou, Zhejiang Storage 0.6 MW / 1.3 MWh

Jinghua, Zhejiang Storage 0.5 MW / 1 MWh

Baden, Germany 12.47 kW PV installed capacity 10 kW hybrid inverter + 10 kWh battery

Residential User Cases

Wiesbaden, Germany 6.64 kW PV installed capacity 5 kW hybrid inverter + 10 kWh battery

Bremen, Germany 11.6 kW PV installed capacity 10 kW hybrid inverter + 10 kWh battery Düsseldorf, Germany 6.66 kW PV installed capacity 5 kW hybrid inverter + 10 kWh battery

Bamberg, Germany 6.8 kW PV installed capacity 5 kW hybrid inverter + 10 kWh battery

Kishinev, Moldova 10 kW PV installed capacity 8 kW hybrid inverter + 10 kWh battery

YINERGY BRAND CULTURE

R&D Testing Laboratory

The laboratory is designed by CNAS standards, covering 2,500 square meters, maintaining constant temperature and humidity control all year, able to cover the testing and certification of solar and storage integrated machines, commercial and industrial solars, PCS, and 1-300kW energy storage system cabinets , the testing center has obtained TÜV certification as an authorized laboratory.

Anti-Island Test Device

High & Low Temperature Test Box

High & Low Temperature Test Box

Walk-In High & Low

Grid Simulator & **Battery Simulator**

Rapid Temperature Change

Intelligence Factory

Cutting-edge Smart Manufacturing System

Test Power Platform

We introduce advanced production equipments to realize automatic production process, and associate with MES, WMS, and BI manufacturing data platforms to ensure the safety and accuracy of manufacturing, improve production efficiency, reduce energy consumption, and realize intelligent manufacturing based on end-to-end data flow.

The high-precision auto-

High logistics automation, reduce errors, lower costs, and enhance overall logistics management levels.

tions and charge/discharge testing equipment, ensurreliability of the product.

model to eliminate waste simplify processes, ensure quality, and provide pro-

Long-term Partners with TÜV & BV

Global Layout

Yinergy: From China to the World

Continue to provide customers with quality and efficient

24/7 online service

• S.Africa

Industrial & Commercial Energy CISOLAR 2023 International solar CESC International Energy Storage SNEC International PV Power Intersolar Europe 2024. Germany Storage Forum 2024, China Exhibition, Romania

Conference, China

Over 20 Global Standard Certificates

China, Germany, Poland, Croatia, Austria, UK, Italy, etc.

Generation Exhibition, China

INSTALLATION AND MAINTENANCE

PARTNERS

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Goldcard 金卡智能

Jianghai

CAPACITOR COMPETENCE Panasonic INDUSTRY

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涂鸦智能

P

中国电信 CHINA TELECOM

Nader

良信电器

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