

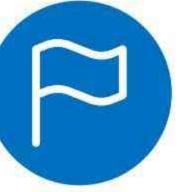
05E2

HEADQUARTERS

Add: Room 117, 1st Floor, Building 4,No. 35, Lane2216,JingaoRoad, China (Shanghai) Pilot Free TradeZone

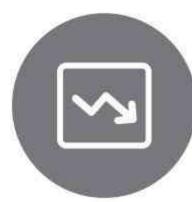


About Osep



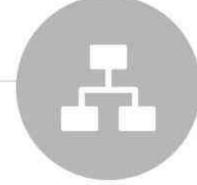
2023

- · Establish a wholly-owned subsidiary in the United Statests
- Smart Photovoltaic Solar New Product Launch
- A new generation of photovoltaic smart energy vehicle charging station put into operation in the United States



2022

- The energy storage all-inone machine successfully passed the EU certification
- Established the first whollyowned subsidiary in Brazil,
 South America
- Energy storage related products obtained Brazil access certification



2021

- · Established Energy Storage Research Institute and established cooperation with many universities
- · Establishment of the first service company in Germany, Europe
- The global brand is renewed and upgraded, and a new logo is launched



2020

- · Brand established
- The first energy storage product was officially released



► TECHNOLOGY, INNOVATION AND THE HISTORICAL INDUSTRIAL EXPERIENCE OF KSTAR FROM TODAY AVAILABLE FOR EVERY HOME

Shanghai Osep Energy Technology Co., Ltd., funded by Bairun Group and headquartered in Pudong New Area, Shanghai, is a high-tech enterprise with independent intellectual property rights, committed to building new energy application technology as the core and integrating independent research and development, production, sales and service.

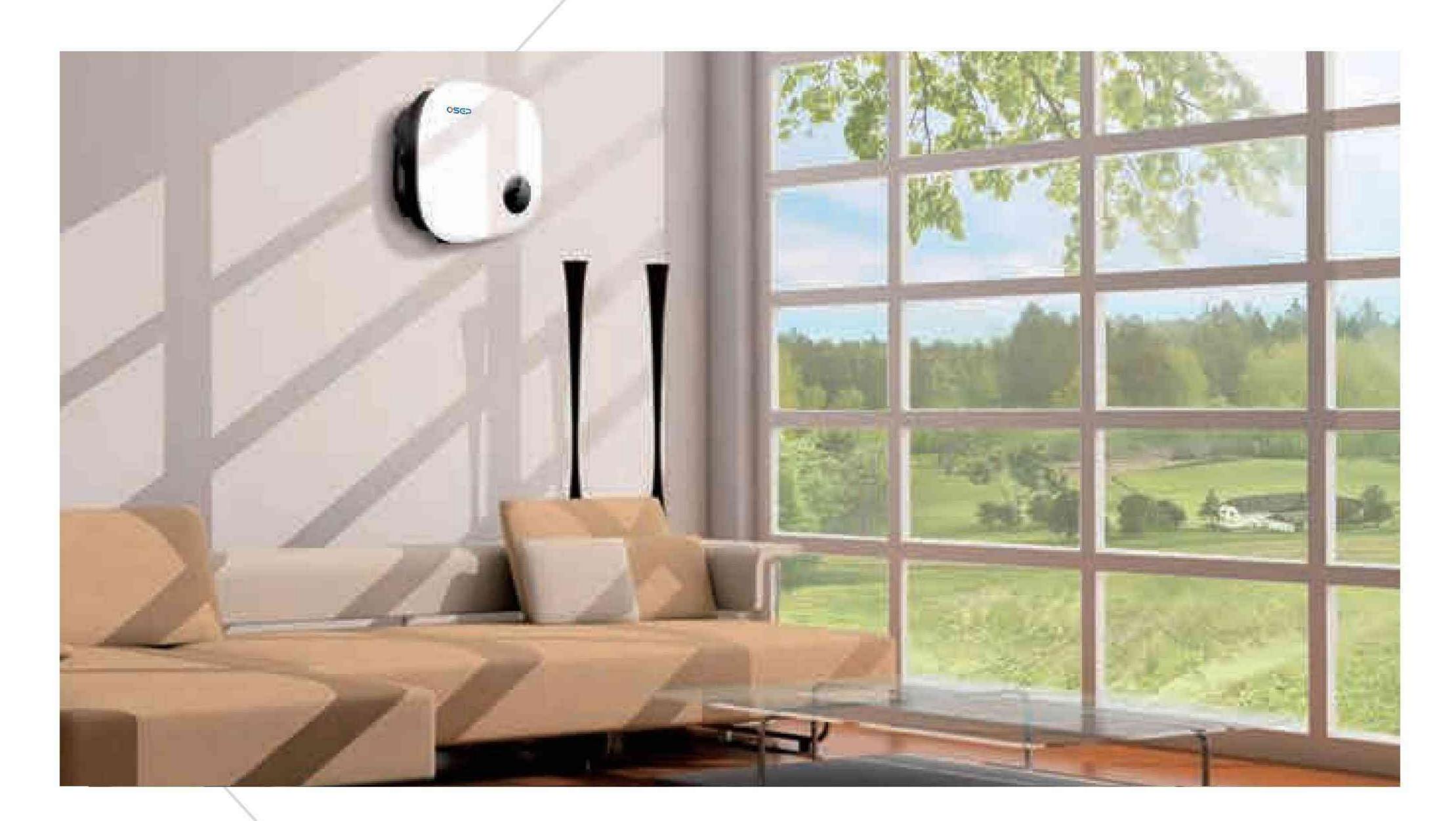
Main products and services include intelligent photovoltaic power generation system, photovoltaic grid-connected inverter, photovoltaic energy storage inverter, optical storage integrated machine, household energy storage battery, electric vehicle charging pile, intelligent data collector and SEMS intelligent energy management system.

04

In the future

Osep Energy will combine new technologies such as photovoltaic power generation, energy storage, intelligent distribution and transmission and intelligent energy use through scientific and technological innovation to build an integrated solution for the energy Internet of Things, and combine optical energy, energy storage, hydrogen energy with intelligent technologies such as the Internet and big data to build an intelligent low-carbon or even carbon-free new energy system.

OSEP BluE Power Your Green Life



One Stop Solution Compatible with any type of Demand

- Our BluE series covers single phase 1 to 6kw, three phase 3-25kw and up to 20kwh Energy Storage System. This range is predominantly designed for modern house and small commercial energy demands.
- One App to monitor your power flow for different systems;
- One Call for pre-sales training & after-sales service;

Better O&M Experience





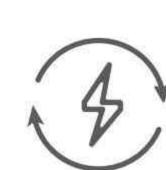
BluE-G Residential Inverter Range From 1-25KW



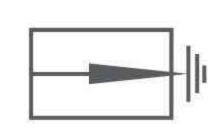
Higher Efficiency



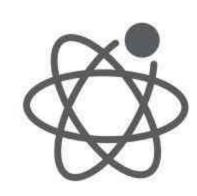
DC/AC Ratio Up to 2



Convenient & Light



Type II SPD



LVRT/HVRT Ability



API / VPP Ready

BluE ESS ALL-IN-ONE SOLUTION

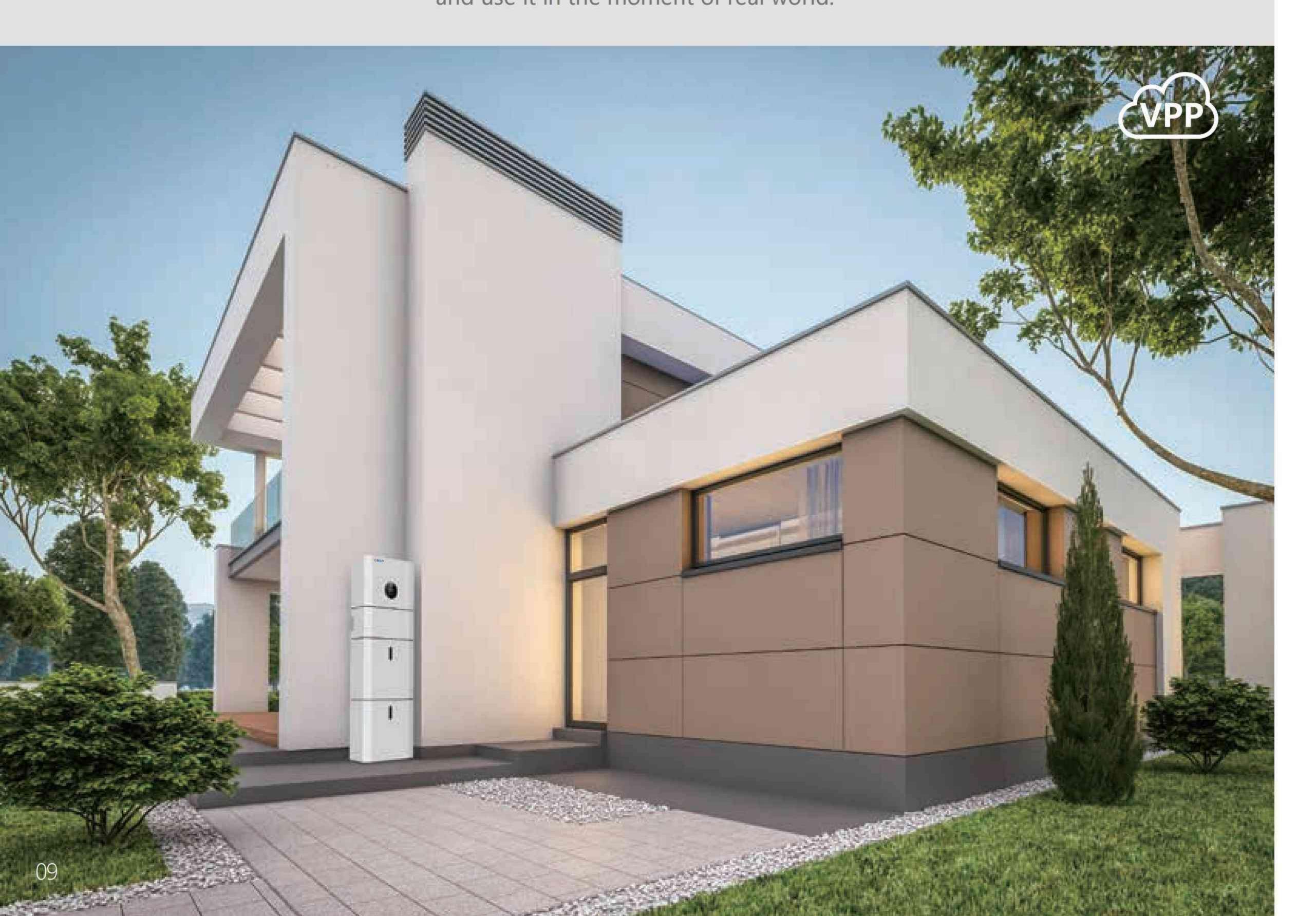
Application of energy storage system

Powered by CATL

Lithium Ion batteries have received some negative press in recent years for their use of nickel and cobalt which are mined in countries with a poor record workers rights and use of child labour. There is currently a race to remove these materals from other manufacturers batteries worldwide. The CATL battery has already stopped using these materials and has moved to an LFP chemistry which has 0% cobalt or nickel. This same chemistry is being used in the Tesla Model 3 being supplied to China and EU.

ALL-IN-ONE

The BLuE ESS includes all the components needed to transform the energy produced by PV panels into usable energy for household consumption or to store it in the integrated battery and use it in the moment of real world.



TOP PERFORMANCES

Maximum efficiency of energy conversion. Storage capacity up to 20 kwh



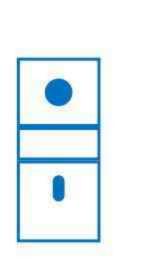
BluE-S Hybrid Inverter



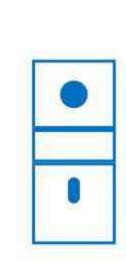
"Plug and Play" - Cable Box

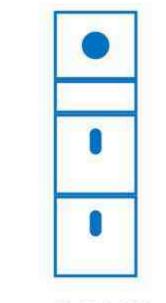


BluE-PACK 5.1









10,2 kWh

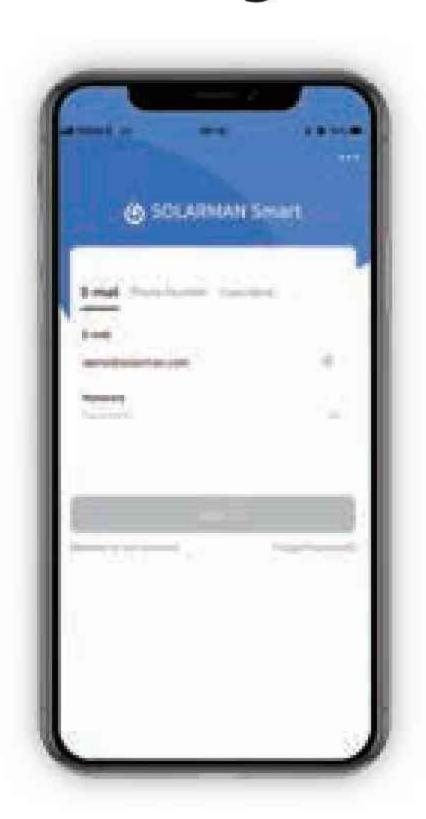






Energy Management System

Intelligent energy on your hands

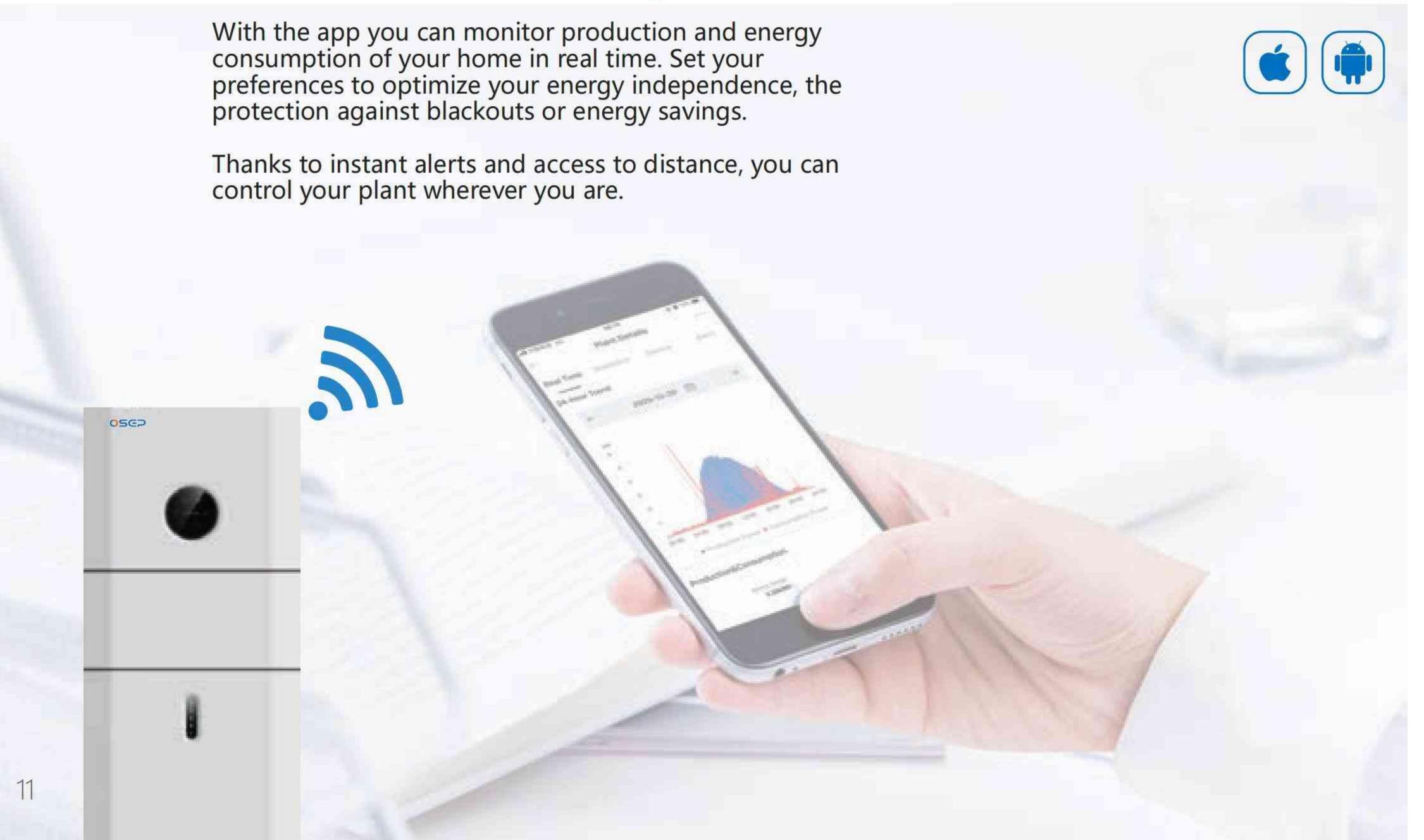






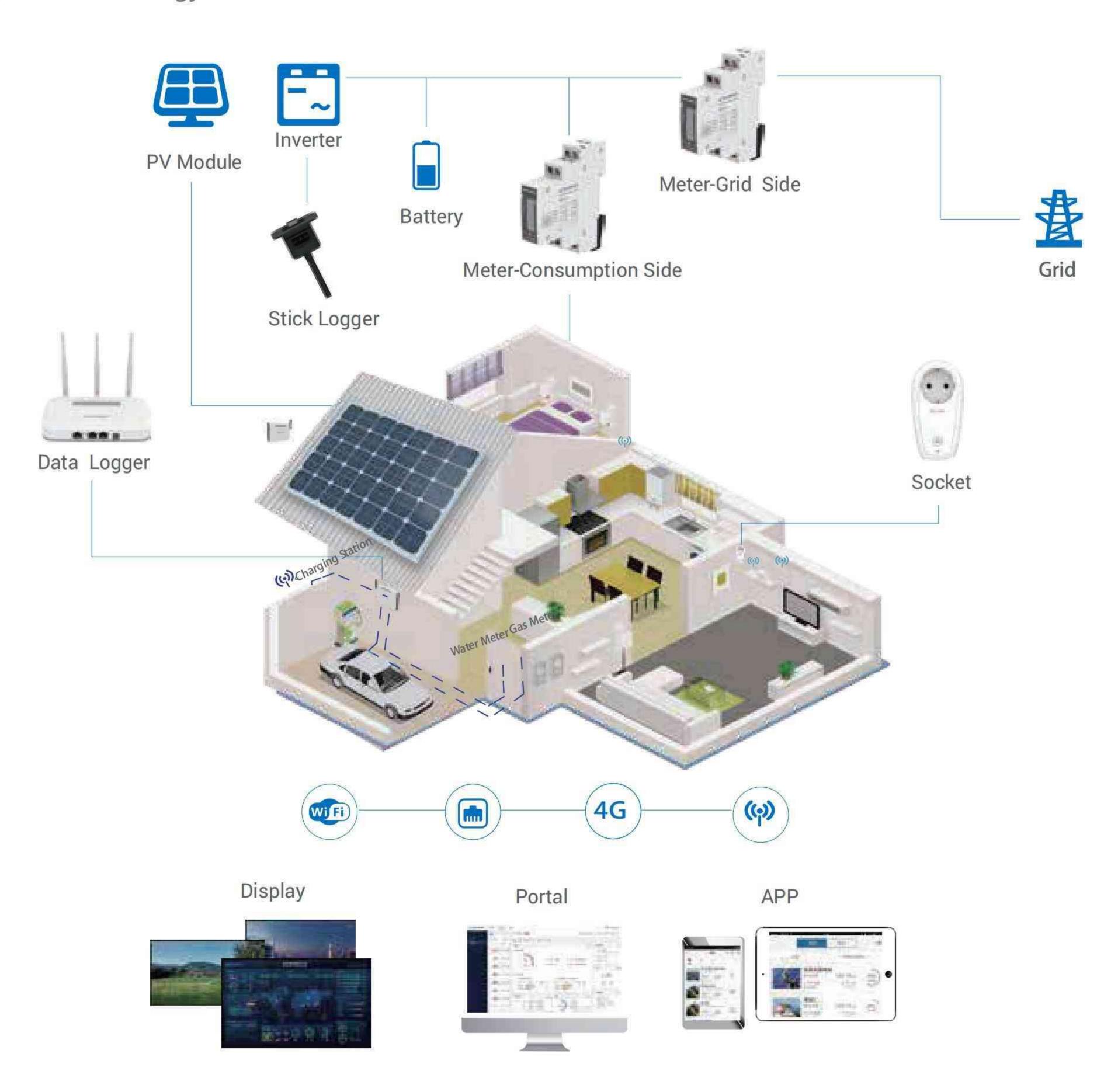


SOLARMAN Smart home system with APP Remote access to the system



Step Up Modern House Energy Supply

- Supply your home appliances fully automated.
- ▶ 100% Independence from grid with battery system.
- Manage the whole system via APP anytime or anywhere.
- ➤ Join the Energy Future-Virtual Power Plant.







String Inverter



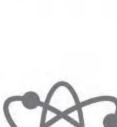
Max. PV voltage up to 600V DC/AC ratio up to 1.5



Compatible for big capacity PV panel WiFi / 4G Plug optional



Type II DC SPD/Type III AC SPD IP65 protection



High efficiency up to 97.6% Smaller and lighter

MODEL	BluE-G 1000S	BluE-G 1500S	BluE-G 2000S	BluE-G 3000S		
Input(DC)						
Max. DC Voltage	600Vdc	600Vdc	600Vdc	600Vdc		
Nominal Voltage	380Vdc	380Vdc	380Vdc	380Vdc		
Start Voltage	60V	80V	80V	80V		
MPPT Voltage Range	60V-560V	80V-560V	80V-560V	80V-560V		
Number of MPP Tracker	1	1	1	1		
Strings Per MPP Tracker	1	1	1	1		
Max. input Current Per MPPT	13A	13A	13A	13A		
Max. Short-circuit Current Per MPPT	15.6A	15.6A	15.6A	15.6A		
Output(AC)						
Nominal AC Output Power	1000W	1500W	2000W	3000W		
Max. AC Apparent Power	1100VA	1650VA	2200VA	3300VA		
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N		
AC Grid Frequency Range	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz	50Hz / 60Hz±5Hz		
Max. Output Current (A)	4.8A	7.2A	9.6A	14.4A		
Power Factor (cosΦ)		0.8 leading to	o 0.8 lagging			
THDi			3%			
Efficiency						
Max. Efficiency	97.00%	97.50%	97.50%	97.60%		
Euro Efficiency	96.50%	97.00%	97.00%	97.00%		
Protection devices						
			V/	V/a-a		
DC Switch	Yes	Yes	Yes	Yes		
Anti-islanding Protection	Yes	Yes	Yes	Yes		
Output Over Current	Yes	Yes	Yes	Yes		
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes		
String Fault Detection	Yes	Yes	Yes	Yes		
Surge Protection		DC Type II;				
Insulation Detection	Yes	Yes	Yes	Yes		
AC Short Circuit Protection	Yes	Yes	Yes	Yes		
General Specifications						
Dimensions W x H x D		350*29	00*120mm			
Weight	7.3kg	8kg	8kg	8kg		
Environment						
Operating Temperature Range		−25°C ₂	~+60°C			
Cooling Type		Nati				
Max. Operation Altitude			00m			
Max. Operation Aumidity			00%			
AC Output Terminal Type			onnector			
IP Class			65			
Topology			mer-less			
Communication Interface			WIFI/4G			
Display						
Certification & Standard	EN 1 // EG CO 4 OO 4 /O	IEC/EN61000-6-2;IEC/EI	LCD			

^{*}Specifications subject to change without prior notice.





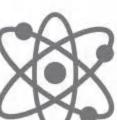
Max. PV voltage up to 600V DC/AC ratio up to 1.5



Compatible for big capacity PV panel WiFi / 4G Plug optional



Type II DC SPD/Type III AC SPD IP65 protection



High efficiency up to 98.3% Smaller and lighter

MODEL	BluE-G 3600D	BluE-G 4000D	BluE-G 4200D	BluE-G 4600D	BluE-G 5000D	BluE-G 600
Input(DC)						
Max. DC Voltage	600V	600V	600V	600V	600V	600V
Nominal Voltage	380V	380V	380V	380V	380V	380V
Start Voltage	100V	100V	100V	100V	100V	100V
MPPT Voltage Range	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V	80V-560V
Number of MPP Tracker	2	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	18A	18A	18A	18A	18A	18A
Output(AC)						
Nominal AC Output Power	3600W	4000W	4200W	4600W	5000W ¹	6000W
Max. AC Apparent Power	3960VA ²	4400VA	4620VA	5060VA ³	5500VA ⁴	6000VA
Nominal AC Voltage	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N	230V L-N
AC Grid Frequency Range			50Hz / 6	0Hz±5Hz		
Max. Output Current	17A ⁵	19A	20A	22A ⁶	24A ⁷	26A
Power Factor(cos Φ)				- 0.8 lagging		
THDi			< 3	3%		
Efficiency						
Max. Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
Euro Efficiency	97.7%	97.9%	97.9%	97.9%	97.9%	97.9%
Protection devices						
DC Switch	Yes	Yes	Yes	Yes	Yes	Yes
Anti-islanding Protection	Yes	Yes	Yes	Yes	Yes	Yes
Output Over Current	Yes	Yes	Yes	Yes	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes	Yes	Yes	Yes	Yes
String Fault Detection	Yes	Yes	Yes	Yes	Yes	Yes
Surge Protection			DC: Type II /	AC: Type III		
Insulation Detection	Yes	Yes	Yes	Yes	Yes	Yes
AC Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes
General Specifications			•		,	
Dimensions W x H x D			380X380	X150mm		
Weight	10kg	11kg	11kg	11kg	11kg	11kg
Operating Temperature Range			-25°C -	-+60°C		
Cooling Type			Nat	ural		
Max. Operation Altitude			≤40	00m		
Max. Operation Humidity			0-1	00%		
AC Output Terminal Type			Quick Co	onnector		
IP Class			IP	65		
Topology			Transfor	mer less		
Communication			RS485/	WIFI/4G		
Display			LC	CD		
Certification & Standard		49-1;AS 4777.2;NR	000-6-2;IEC/EN610 S 097;VDE-AR-N-4 217002;NB/T32004	105;VDE 0126-1-1	CEI0-21;G98;G99;C	

^{*1.} Nominal AC output power is 4999W for Australia and 4600W for Germany and South Africa.

^{*2.} Max. AC apparent power is 3680VA for the UK.

^{*3.} Max. AC apparent power is 5000VA for Belgium and is 4600VA for Germany and South Africa.

^{*4.} Max. AC apparent power is 4999VA for Australia, 5000VA for Belgium and 4600VA for Germany and South Africa.

^{*5.} Maximum output current is16A for England.

^{*6.} Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.

^{*7.} Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.







DC/AC ratio up to 2 IP66 protection



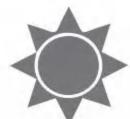
High efficiency up to 98.6% Smaller and lighter

MODEL	BluE-3KT	BluE-4KT	BluE-5KT	BluE-6KT	BluE-8KT	BluE-10KT	BluE-12KT
Input(DC)							
Max. DC Voltage	1100V	1100V	1100V	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V	620V	620V	620V
Start Voltage	180V	180V	180V	180V	180V	180V	180V
MPPT Voltage Range	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V	140 V~1,000 V
Number of MPP Tracker	2	2	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1	1	1
Max. Input Current Per MPPT	15A	15A	15A	15A	15A	15A	15A
Max. Short-circuit Current Per MPPT	20A	20A	20A	20A	20A	20A	20A
Output(AC)							
Nominal AC Output Power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
Maximum AC Output Power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Nominal AC Voltage				400V 3L+N			
AC Grid Frequency Range				50 / 60Hz(±5Hz)			
Maximum Output Current	4.8A	6.4A	8.0A	9.6A	12.8A	16.0A	19.2A
Power Factor(Φ)			3.0	Bleading-0.8laggi	ng		
THDi		3%					
Efficiency							
Max. Efficiency	98.4%	98.4%	98.4%	98.4%	98.6%	98.6%	98.6%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.1%	98.1%
Protection devices							
DC Switch				Yes			
Output Over Current		Yes					
Anti-islanding Protection		Yes					
DC Reverse Polarity Protection		Yes					
String Fault Detection		Yes					
AC/DC Surge Protection			DC: Type II /	AC: Type III / Type	oe II Optional		
Insulation Detection				Yes			
AC Short Circuit Protection				Yes			
General Specifications							
Dimensions W x H x D				380x483x161mm	า		
Weight				<17kg			
Operating Temperature Range				-25°C~+60°C			
Cooling Type				Natural cooling			
Max. Operation Altitude				4000m			
Max. Operation Humidity			0-10	0%(No condensa	ation)		
AC Output Terminal Type		Connector					
IP Class				IP66			
Topology				Transformer-less			
Communication				RS485/Wifi/4G			
Display				LCD			
Certification & Standard	EN/IE	C62109-1/2 ; IEC/E	N61000-6-2;IEC/E	N61000-6-4;IEC61	683;IEC60068;IEC6	0529;IEC62116;IEC	61727;

^{*} Specifications subject to change without prior notice.

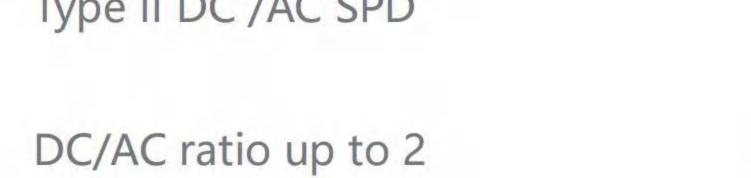






Max. PV voltage up to 800V Type II DC /AC SPD

IP66 protection





WiFi / 4G Plug optional



High efficiency up to 98.6% Smaller and lighter

MODEL	BluE-12KTL	BluE-15KTL	BluE-20KTL
Input(DC)			
Max. DC Voltage	800V	800V	800V
Nominal Voltage	370V	370V	370V
Start Voltage	180V	180V	180V
MPPT Voltage Range	200V-750V	200V-750V	200V-750V
Number of MPP Tracker	2	2	2
Strings Per MPP Tracker	2	2	2
Max. Input Current Per MPPT	30A	30A	30A
Max. Short-circuit Current Per MPPT	40A	40A	40A
Output(AC)			
Nominal AC Output Power	12000W	15000W	20000W
Maximum AC Output Power	13200VA	16500VA	22000VA
Nominal AC Voltage	220 3L+N	220 3L+N	220 3L+N
AC Grid Frequency Range	50Hz/60Hz±5Hz	50Hz/60Hz±5Hz	50Hz/60Hz±5Hz
Maximum Output Current	34.6A	43.3A	57.7A
Power Factor(Φ)		0.8leading-0.8lagging	
THDi		3%	
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
Euro Efficiency	98.3%	98.3%	98.3%
Protection devices			
DC Switch		Yes	
Output Over Current		Yes	
Anti-islanding Protection		Yes	
DC Reverse Polarity Protection		Yes	
String Fault Detection		Yes	
AC/DC Surge Protection	D	C: Type II / AC: Type III / Type II Option	nal
Insulation Detection		Yes	
AC Short Circuit Protection		Yes	
General Specifications			
Dimensions W x H x D	380x483x193mm	380x483x227mm	380x483x227mm
Weight	<25kg	<35kg	<35kg
Operating Temperature Range		-25°C~+60°C	
Cooling Type		Fan Cooling	
Max. Operation Altitude		4000m	
Max. Operation Humidity		0-100%(No Condensation)	
AC Output Terminal Type		Connector	
IP Class		IP66	
Topology		Transformer-less	
Communication		RS485/Wifi/4G	
Display		LCD	
Certification & Standard	ENI/IEC62100 1/2 - IEC/ENI61000	-6-2;IEC/EN61000-6-4;IEC61683;IEC600	068:JEC60520:JEC62116:JEC61

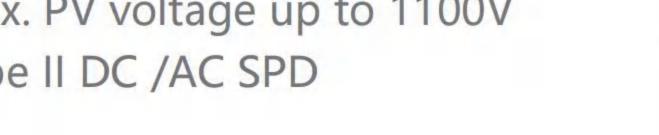




String Inverter



Max. PV voltage up to 1100V





DC/AC ratio up to 2



Compatable for big capacity PV panel WiFi / 4G Plug optional



High efficiency up to 98.6% Smaller and lighter

MODEL	BluE-15KT	BluE-17KT	BluE-20KT	BluE-25KT
Input(DC)				
Max. DC Voltage	1100V	1100V	1100V	1100V
Nominal Voltage	620V	620V	620V	620V
Start Voltage	180V	180V	180V	180V
MPPT Voltage Range	140 V~1,000V	140 V~1,000V	140 V~1,000V	140 V~1,000V
Number of MPP Tracker	2	2	2	2
Strings Per MPP Tracker	2/1	2	2	2
Max. Input Current Per MPPT	30A/15A	30A	30A	30A
Max. Short-circuit Current Per MPPT	40A/20A	40A	40A	40A
Output(AC)				
Nominal AC Output Power	15000W	17000W	20000W	25000W
Maximum AC Output Power	16500VA	18700VA	22000VA	27500VA
Nominal AC Voltage		400V	3L+N	
AC Grid Frequency Range			OHz(±5Hz)	
Maximum Output Current	23.9A	27.1A	31.9A	39.9A
Power Factor(Φ)		0.8leading	-0.8lagging	
THDi		3	%	
Efficiency				
Max. Efficiency	98.6%	98.6%	98.6%	98.6%
Euro Efficiency	98.2%	98.3%	98.3%	98.3%
Protection devices				
DC Switch		V	'AS	
Output Over Current	Yes			
Anti-islanding Protection	Yes			
DC Reverse Polarity Protection	Yes			
String Fault Detection	Yes			
AC/DC Surge Protection	DC: Type II / AC: Type II / Type II Optional			
Insulation Detection			es	
AC Short Circuit Protection			es	
General Specifications			C3	
Dimensions W x H x D		380x483	8x193mm	
Weight		THE STATE OF THE	ikg	
Operating Temperature Range			~+60°C	
Cooling Type			Cooling	
Max. Operation Altitude			00m	
Max. Operation Humidity			Condensation)	
AC Output Terminal Type			nector	
IP Class		8 SA . 15 SAA 85	66	
Topology			mer-less	
Communication			Wifi/4G	
Display			CD CD	
Certification & Standard	FN/IFC62109-1/2 : I		6-4;IEC61683;IEC60068;IEC60529):IEC62116:IEC61727:

specifications subject to change without prior notice.



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KSG THREE PHASE SERIES

KSG-25KT / KSG-30KT / KSG-40KT



PV On-Grid String Inverter



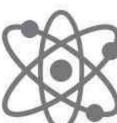
Max. PV voltage up to 1100V Type II DC SPD / 3 MPPT



DC/AC ratio up to 1.5 IP66 protection



Compatible for big capacity PV panel WiFi / 4G Plug optional



High efficiency up to 98.7% Smaller and lighter

MODEL	KSG-25KT	KSG-30KT	KSG-40KT
Input(DC)			
Max. DC voltage	1100V	1100V	1100V
Nominal voltage	620V	620V	620V
Start voltage	180V	180V	180V
MPPT voltage range	200 V~1,000V	200 V~1,000V	200 V~1,000V
Number of MPPT tracker	3	3	3
Strings per MPPT tracker	2	2	2
Max. input current per MPPT	30A	30A	30A
Max. short-circuit current per MPPT	40A	40A	40A
Output(AC)			
Nominal AC output power	25000W	30000W	40000W
Maximum AC output power	27500VA	33000VA	44000VA
Nominal AC voltage		400V 3L+N	
AC grid frequency range		50 / 60Hz(±5Hz)	
Max. output current	39.9A	47.8A	63.8A
Power factor(Φ)	STEE 2002 2	0.8leading-0.8lagging	
THDi	3%		
Efficiency			
Max. efficiency	98.6%	98.7%	98.7%
Euro efficiency	98.3%	98.4%	98.4%
Protection devices	20.070	30.170	50.170
DC switch		Yes	
Output over current	Yes		
Anti-islanding protection	Yes		
DC reverse polarity protection	Yes		
String fault Detection	Yes		
DC/AC surge protection		Type II / Type III(Type II Optional)	
Residual Current Monitoring		Yes	
AC short circuit protection		Yes	
General Specifications		103	
Dimensions W x H x D		380x483x227mm	
Weight		32.5kg	
Operating temperature range		-25°C~+60°C	
Cooling type		Fan cooling	
Max. operation altitude		4000m	
Max. operation humidity		0-100%(No condensation)	
AC Output terminal type		OT terminal	
IP class		IP66	
Topology		Transformer-less	
Communication		RS485/Wifi/4G	
Display			
Certification & Standard	LCD EN/IEC62109-1;EN/IEC62109-2;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;		

^{*} Specifications subject to change without prior notice.





Battery Model			BluE-PACK5.1
Physical		Operation	
Battery Type	LFP (LiFePO4)	Max. Charge/Discharge Current	50A/80A
System Weight	54KG	Rated DC Power	4096W
Dimension (W x D x H)	540*490*240mm	Max. Charge/Discharge Power	2825W/4096W
IP Protection	IP65 5 Year Product Warranty,	Operating Temperature Range	0 to 50°C charging -10 to 50°C discharging
Warranty	10 Year Performance Warranty	Humidity	0~95% (No condensation)
Electrical		BMS	
Energy Capacity	5.12kwh	Modules Connection	Max. 4
Usable Capacity	4.6kwh	Capacity	100-400Ah
Depth of Discharge (DoD)	90%	Power Consumption	<2W
Nominal Voltage	51.2V	Communication	CAN & RS485
DC Circuit Breaker	125A	Monitoring Parameters	System voltage, current, cell voltage, cell
Operating Voltage Range	44.8-56.5V		temperature, PCBA temperature measurement
Internal Resistance	<20mΩ	Certificate	
Cycle Life	10000cycle	Safety(Cell)	Pack: IEC/EN 62619;UN38.3 Cell: IEC/EN 62619;UN38.3;UL1973

^{*}Maximum 4 battery pack in parallel.

Hybrid Inverter Model	BluE-S 3680D	BluE-S 5000D
PV String Input		
Max. DC Voltage	580V	580V
Nominal Voltage	400V	400V
MPPT Voltage Range	80V-560V	80V-560V
Start Voltage	130V	130V
Number of MPP Tracker	2	2
Strings Per MPP Tracker	1	1
Max. Input Current Per MPPT	15A	15A
Max. Short-circuit Current Per MPPT	18A	18A
AC Output (Grid)		10/1
Nominal AC Output Power	3680W	5000W
Max. AC Apparent Power	7360VA (from grid)	7360VA (from grid)
Max. AC Output Power	3680W	5000W ¹
Nominal AC Voltage	230Vac	230Vac
AC Grid Frequency Range	50 / 60Hz±5Hz	50 / 60Hz±5Hz
Max. Output Current	16A	22A ²
Max. Input Current	32A	32A
Power Factor (cosΦ)	0.8leading-0.8lagging	0.8leading-0.8lagging
THDi	<3%	<3%
Battery Input		
Battery Type	LFP (LiFePO4)	LFP (LiFePO4)
Nominal Battery Voltage	48V	48V
Charging Voltage Range	40-60V	40-60V
Max. Charging Current	50A	100A
Max. Discharging Current	80A	100A
Battery Capacity	100-400Ah	100-400Ah
Charging Strategy for Li-ion Battery	Depend on the BMS	Depend on the BMS
AC Output (Backup)		
Max. Output Apparent Power	4000VA	5000VA
Peak Output Apparent Power	6900VA 10sec	6900VA 10sec
Max. Output Current	16A	20A
Nominal Output Voltage	230V	230V
Nominal Output Frequency	50/60Hz	50/60Hz
Output THDv (@Linear Load)	<3% (Linear Load)	<3% (Linear Load)
Efficiency		70 (20.00. 200.0.)
Max. PV Efficiency	97.6%	97.6%
Euro. PV Efficiency	97.0%	97.0%
Protection		
DC Switch	Bipolar DC Switch (125A/Pole)	Bipolar DC Switch (125A/Pole)
Anti-islanding Protection	Yes	Yes
Output Over Current	Yes	Yes
DC Reverse Polarity Protection	Yes	Yes
String Fault Detection	Yes	Yes
AC/DC Surge Protection	DC Type II;AC Type III	DC Type II;AC Type III
Insulation Detection	Yes	Yes
AC Short Circuit Protection	Yes	Yes
General Specifications		
Dimensions W x H x D	540*590*	² 40mm
Weight	32	
Operating Temperature Range	-25°C~	
Noise (dB)	<2	
Cooling Type	Natural Co	
Max. Operation Altitude	200	
Operation Humidity	0~95% (No C	
IP Class	IP6	
Topology	Battery I	
Communication	RS485/CAN2	
Display	LCD/	
- ispidy		
Certification & Standard	FN61000-3-12:IFC60529:IFC 60068:IFC	2;EN61000-6-3; IEC/EN61000-6-4;IEC/EN61000-3-11; 61683;IEC62116;IEC61727;EN50549-1;

^{*1.} Nominal AC output power is 4999W for Australia and 4600W for Germany and South Africa. *2. Maximum output current is 21.7A for Australia and 20A for Germany and South Africa.





Battery Model Physical		BluE-PACK5.1 Operation		
System Weight	54KG	Rated DC power	4096W	
Dimension (W x H x D)	540*490*240	Max. Charge/Discharge Power	2825W/4096W	
IP Protection	IP65	Operating Temperature Range	0 to 50°C charging -10 to 50°C discharging	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	Humidity	0~95% (No condensation)	
Electrical		BMS		
Energy Capacity	5.12kwh	Capacity	200-800Ah	
Usable Capacity	4.6kwh	Power Consumption	<2W	
Depth of Discharge (DoD)	90%	Communication	CAN & RS485	
Rated Voltage	51.2V	Monitoring Parameters	System voltage, current, cell voltage, cell	
Operating Voltage Range	44.8-56.5V		temperature, PCBA temperature measurement	
Internal Resistance	<20mΩ	- Certificate		
Cycle Life	10000cycle	Safety(Cell)	Pack: IEC/EN 62619;UN38.3 Cell: IEC/EN 62619;UN38.3;UL1973	

Hybrid Inverter Model	BluE-S 10KT
PV String Input	
Max. Continuous PV Input Power	20kW
Max. DC Voltage	1100V
Nominal Voltage	720V
MPPT Voltage Range	140V-1000V
MPPT Range (Full Load)	420V-850V
Start Voltage	130V
MPPT Tracker / Strings	
Max. Input Current Per MPPT	2/2 15A
Max. Short-circuit Current Per MPPT	20A
	ZUA
AC Output (Grid)	10144
Nominal AC Output Power	10kW
Max. AC Apparent Power	11kVA
Nominal AC Voltage	400Vac 3W+N+PE
AC Grid Frequency Range	50 / 60Hz
Max. Output Current	14.5A
Max. Input Current	16A
Power Factor (cosΦ)	0.8leading-0.8lagging *
Battery Input	
Battery Type	LFP (LiFePO4)
Nominal Battery Voltage	48V
Charging Voltage Range	40-60V
Max. Charging Current	200A
Max. Discharging Current	200A
AC Output (Backup)	
Max. Output Apparent Power	10kVA
Rated Output Power	9.2kW
Rated/Max. Output Current	14.5A/16A
Nominal Output Voltage	400V
Nominal Output Frequency	50/60Hz (±2%)
Output THDv (@Linear Load)	<3% (Linear Load)
	V370 (LINEAR LOAG)
Protection Anti-islanding Ductaction	
Anti-islanding Protection	Yes
Output Over Current	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Yes
AC/DC Surge Protection	DC Type II;AC Type III
Insulation Detection	Yes
AC Short Circuit Protection	Yes
General Specifications	
Dimensions W x H x D	540*980*240mm
Weight	42kg
Operating Temperature Range	-25°C~+60°C (Derating > 45°C)
Noise (dB)	<25
Cooling Type	Natural Convection
Max. Operation Altitude	3000m (Derating > 2000m)
Operation Humidity	0~95% (No Condensation)
IP Class	IP65
Topology	Battery Isolation
Communication	RS485/CAN2.0/WIFI/4G
Display	LCD/APP

^{* 0.95}leading-0.95lagging for Germany



PROJECT CASES

Residential projects for your reference

