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Company Profile

Founded in 2003, Shenzhen JingFuYuan Tech. Co., Ltd. (Abbr. JFY) is a professional Inverter, Telecom Power Supply and UPS manufacturer. Awarded as National High-tech Enterprise and certified to ISO9001: 2008 international quality system, JFY has 16000 m² of production plants and R&D laboratories in Shenzhen headquarter and marketing centers in domestic and overseas areas. Devoting to being a leading supplier with best products and services, JFY offers customers the high cost-effective products and integrated energy solutions with plentiful design and production experiences. The products cover a wide range of Solar Inverters (1.5KW~1MW), UPS, Telecom Power Supply, Hybrid Power System, etc. Our products have been sold to more than 50 countries and areas. Their stable operation and excellent performance have been universally recognized by users across the world.



JSI Series Single Phase String Inverter

Features

High performance string inverters

- > From 1.5KW to 6.0KW
- > Wide PV input voltage range
- Rapid MPPT tracking technology
- Superior PV energy harvest
- > Transformerless design with higher operation efficiency
- > Excellent thermal performance
- > High overload capability under most ambient conditions

Easy and affordable to install

- > Lightweight and compact size
- Includes a lightweight portable multifunctional bracket that simplifies installation
- Firm IP65 inverter enclosure allows outdoor and indoor application

Full data display and communications

- > LCD display energy data
- > Bright LED indicators imply system status at a glance
- PC software for remote monitoring and system troubleshooting
- > Integrated RS232 serial communications

Cost advantages

- > Transformerless design cutting down the cost
- > Light weight and small dimension, reducing shipping cost
- ➤ IP65 protection degree, suitable for outdoor installation, reducing construction cost
- > Low maintenance expense

JSI-1500TL JSI-2000TL JSI-2500TL



JSI-3000TL JSI-3600TL JSI-5000TL JSI-6000TL





Typical Efficiency Curve





Model (JSI)	1500TL	2000TL	2500TL	3000TL	3600TL	5000TL	6000TL	
Max. DC Input Power	1750W	2300W	2700W	3660W	4180W	5300W	6400W	
Max. DC Voltage	450Vdc	450Vdc 500Vdc					550Vdc	
MPPT Operating Range		100~450Vdc 100~500Vdc					00Vdc	
Number of Parallel Inputs	1	I		2		:	3	
Number of MPP Trackers				1				
Max. Input Current	10A	13A	14.5A	2	DA .	22.5A	27.5A	
Nominal Output Power	1500W	2000W	2490W/2500W	3000W	3600W	4600W	6000W	
Max. Output Power	1650W	2200W	2490W/2500W	3400W	3600W	5000W	6000W	
Nominal Output Current	6.5A	8.7A	10.8A	13A	15.7A	20A	26A	
Max. Output Current	7.9A	10.5A	12A	15.7A	16A	24A	29.3A	
Nominal AC Output Voltage	230Vac							
AC Output Voltage Range*		190~265Vac						
AC Grid Frequency Range*		50±5Hz						
Power Factor (cosφ)				>0.99				
THDI			<3% (at nominal output	oower)			
Max.efficiency	96.5%	97.0%	97.1%	97.2%	97.3%	97.4%	97.4%	
Euro.efficiency	95.5%	96.2%	96.3%	96.4%	96.6%	96.8%	96.8%	
MPPT efficiency	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	
Operating Temperature				-25°C~+60°C				
Noise (typical)				≤20dB (A)				
Operating Consumption				0 W				
Electrical Isolation				Transformerless				
Cooling Concept				Natural Cooling				
Protect Level				IP65				
Communication			R	S232 (Wifi optiona	ıl)			
Dimension (W*D*H mm)	345*152*315	345*152*355	345*152*355	345*1	52*385	345*152*505	345*162*573	
Weight (Kg)	12	15		17		19	26	

 $^{^{\}star}\text{AC}$ grid voltage range and frequency range depend on local standards.







SUNTWINS Series Single Phase String Inverter

Features

High performance string inverters

- > From 3.0KW to 4.6KW
- Wide PV input voltage range
- Rapid MPPT tracking technology
- > Two MPPT trakers
- Superior PV energy harvest
- > Transformerless design with higher operation efficiency
- > Excellent thermal performance
- > High overload capability under most ambient conditions

Easy and affordable to install

- Lightweight and compact size
- Includes a lightweight portable multifunctional bracket that simplifies installation
- Firm IP65 inverter enclosure allows outdoor and indoor application

Full data display and communications

- > LCD display energy data
- > Bright LED indicators imply system status at a glance
- PC software for remote monitoring and system troubleshooting
- > Integrated RS232 serial communications

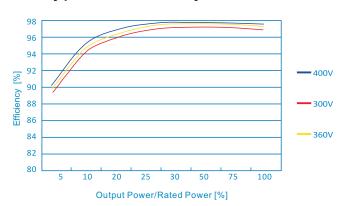
Cost advantages

- > Transformerless design cutting down the cost
- > Light weight and small dimension, reducing shipping cost
- ▶ IP65 protection degree, suitable for outdoor installation, reducing construction cost
- > Low maintenance expense



SUNTWINS 3300TL~SUNTWINS 5000TL

Typical Efficiency Curve



Model (SUNTWINS)	3300TL	4000TL	5000TL			
Max. DC Input Power	3600W	4380W	5300W			
Max DC Voltage	500Vdc					
MPPT Operating Range	100~450Vdc					
Number of Inputs		2				
Number of MPP Trackers		2				
Max. Input Power per MPPT	2000W	2500W	3000W			
Max. Input Current	IN1: 10A/IN2: 10A	IN1: 13A/IN2: 13A	IN1: 15A/IN2: 15A			
Nominal Output Power	3300W	4000W	4950/5000W			
Max. Output Power	3300W	4000W	4950/5000W			
Nominal Output Current	14.3A	17.4A	21.5A			
Max. Output Current	16.5A	20.0A	25.0A			
Nominal AC Output Voltage	230Vac					
AC Output Voltage Range*	190~265Vac					
AC Grid Frequency Range*	50±5Hz					
Power Factor (cosφ)		>0.99				
THDI		<3% (at nominal output power)				
Max.efficiency	97.4%	97.6%	97.6%			
Euro.efficiency	97.0%	97.1%	97.1%			
MPPT efficiency	99.6%	99.6%	99.6%			
Operating Temperature		-25°C~+60°C				
Noise (typical)		≤25dB (A)				
Operating Consumption		0W				
Electrical Isolation		Transformerless				
Cooling Concept	Natural Cooling					
Protect Level	IP65					
Communication		RS232 (Wifi optional)				
Dimension (W*D*H mm)		345*152*435				
Weight (Kg)	16.5	18	18			

 $^{^{\}star}\text{AC}$ grid voltage range and frequency range depend on local standards.

SUNTREE Series Three-Phase String Inverter

Features

High performance string inverters

- > From 5.0KW to 30.0KW
- > Superior PV energy harvest
- Excellent thermal performance
- > Transformerless design with higher operation efficiency
- > High overload capability under most ambient conditions

Easy and affordable to install

- Lightweight and compact size
- Wide MPPT voltage range allows more flexible module selections
- Includes a lightweight portable multifunctional bracket that simplifies installation
- Firm IP65 inverter enclosure allows outdoor and indoor application

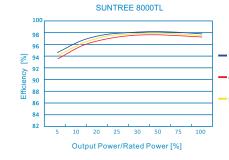
Full data display and communications

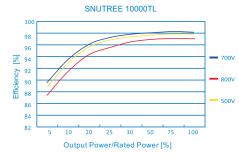
- > LCD display energy data
- > Bright LED indicators imply system status at a glance
- > PC software for remote monitoring and system troubleshooting
- ➤ Integrated RS485/RS232 serial communications

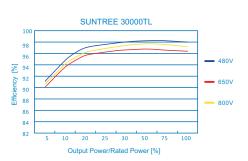


SUNTREE 5000TL~SUNTREE 30000TL

Typical Efficiency Curve







Model (SUNTREE)	5000TL	6000TL	8000TL	10000TL	12000TL	15000TL	17000TL	20000TL	30000TL
Max Power of PV Array	5180W	6200W	8300W	11200W	13300W	15800W	17900W	21100W	32000W
Max DC Voltage		900Vdc				1000	00Vdc		
MPPT Operating Range					250~800Vdc				400~800Vdd
Number of Inputs		2			4		6		10
Number of MPPT Trackers					2				
Max. Input Power per MPPT	3500W	4000W	5000W	6000W	7000W	8500W	9500W	11000W	16500W
Max Input Current	20A	24A	32A	44A	48A	60A	64A	70A	82A
Rated Power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	30000W
Max Output Power	5000W	6000W	8000W	10000W	12000W	15000W	17000W	20000W	30000W
Rated Output Current	7.3A	8.7A	11.6A	14.5A	17.4A	21.7A	24.6A	29.0A	43.5A
Max. Output Current	7.9A	9.5A	12.7A	16.2A	19.4A	24.3A	27.5A	32.3A	48A
Nominal Output Voltage		400Vac							
Output Voltage Range*					330~480Vac				
Grid Frequency Range*					50/60±5Hz				
Power Factor				0.9	9 (lead)~0.9 (la	ag)			
THDI				<3% (at	nominal outpu	it power)			
Max.efficiency	97.6%	97.8%	98.1%	98.2%	98.2%	98.2%	98.2%	98.2%	>98.2%
Euro.efficiency	96.7%	96.9%	97.3%	97.6%	97.6%	97.6%	97.6%	97.6%	>97.8%
MPPT efficiency	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	99.6%	>99.9%
Operation Temperature					-25°C~+60°C				
Noise		≤25dB (A)		≤50dB (A)				≤65dB (A)	
Loss					0W				
Isolation				Т	ransformerles	s			
Cooling	1	Natural Cooling	g			Fan Cooling			
Protect Level					IP65				
Communication				RS485	/RS232 (Wifi c	ptional)			
Dimension (W*D*H mm)		470*165*560		470*10	65*585		470*165*685		580*235*800
Weight (Kg)		32		3	35		50		60

 $^{^{\}star} AC$ grid voltage range and frequency range depend on local standards.



SUNKID Series Isolate HF String Inverter

Features

High-efficiency isolated HF design

- > One of the highest efficiencies in this class
- Rapid MPPT for real time power tracking and improved energy harvesting
- > Optional 240/208Vac nominal output voltage

Designed to maximize the return on investment

- Superior PV energy harvest
- Simplified and fast installation
- > Excellent thermal performance

Full data display and communications

- Liquid crystal display (LCD)
- > Bright LED indicators provide system status at a glance
- > PC software for remote monitoring and system troubleshooting
- > Integrated RS485 serial communications

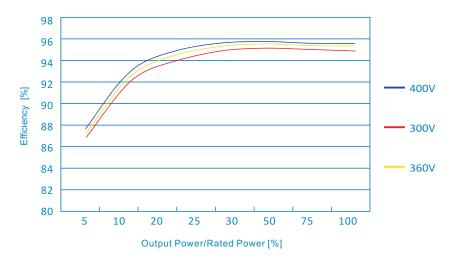
Cost advantages

- > Integrated DC switch
- > Light weight and small dimension, reducing shipping cost
- ➤ IP65 protection degree, suitable for outdoor installation, reducing construction cost
- > Low maintenance expense



SUNKID 3300HF~SUNKID 5000HF

Typical Efficiency Curve



Model (SUNKID)	3300HF	4000HF	5000HF			
Max Power of PV Array	3500W	4250W	5300W			
Max DC Voltage		600Vdc				
MPPT Range		150~550Vdc				
String of Input		1				
Rated Power	3300W	4000W	5000W			
Max Output Power	3300W	4000W	5000W			
Rated Output Current	13.8A (240Vac), 15.9A (208Vac)	16.7A (240Vac), 19.2A (208Vac)	21A (240Vac), 24A (208Vac)			
Max. Output Current	20A	25A	30A			
Output Voltage		240/208Vac				
Output Voltage Range	211~264Vac (240Vac), 183~229Vac (208Vac)					
Grid Frequency	60Hz					
Power Factor	>0.99					
THDI		<3% (at nominal output power)				
Max.efficiency	95.7% (240Vac), 95.5% (208Vac)	95.8% (240Vac), 95.5% (208Vac)	95.7% (240Vac), 95.5% (208Vac)			
Euro.efficiency	95.2% (240Vac), 95.0% (208Vac)	95.3% (240Vac), 95.1% (208Vac)	95.2% (240Vac), 95.0% (208Vac)			
MPPT efficiency	99.6%	99.6%	99.6%			
Operation Temperature		-25°C~+60°C				
Noise		≤20dB (A)				
Loss		0W				
Isolation		HF Transformer				
Cooling		Natural Cooling				
Protect Level		IP65/Nema 4X				
Communication		RS485				
Dimension (W*D*H mm)	380*15	2*500	380*152*560			
Weight (Kg)	22 24					

Advanced performance

- ➤ With the advanced system intelligence, highly speed MPPT technology, industrial-grade engineering and compete fault protections, Sunforest series inverters maximize system uptime and power production, even in harshest environments
- DSP-controlled IGBT circuitry to achieve high efficiency, reliability and low installing cost
- Sunforest KT series grid-tied inverters are integrated with an isolation transformer
- Sunforest KTL series grid-tied inverters have a max efficiency of 98.6%
- Multiple work mode, SVG (Static Var Generator) mode, Anti-Reverse Power control mode

Utility-ready features

- Open communication protocol, compatible with any thirdparty monitoring system and easily integrated into SCADA systems
- > Remote control of real and reactive power
- LVRT (Low voltage ride through)
- Power factor control
- > Simplified grid interconnection

Optimal MPPT technology

- Provides rapid and accurate control boost PV plant KWH vield
- Provides a wide range of operation across all photovoltaic cell technologies

Safety

> Built-in DC and AC disconnected switches

Increased PV plant yield

Rapid and accurate MPPT control increases PV plant KWH yield by extending the production window of arrays, enabling them to operate at optimal voltage and current levels for longer periods of time—even in varied sunlight conditions to maximize efficiency and enable you to get the most from your investment

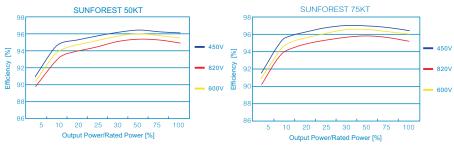
SUNFOREST Series



Sunforest series offer central PV grid-tied inverter with power range from 50KW to 1000KW, efficiency up to 98.6%, even working under non-full load conditions, and offer a cost-effective guarantee for the PV power plants. It has friendly interface, easy to use, modern appearance, wide DC input voltage features and high reliability performance.

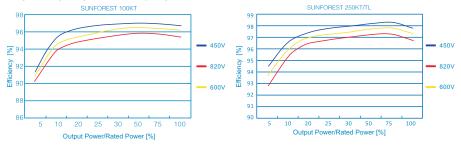
Model (SUNFOREST)	50KT	75KT		
Max. DC Input Power	58KW	87KW		
Max DC Voltage	1000Vdc	1000Vdc		
MPPT Operating Range	450~820Vdc	450~820Vdc		
Number of Parallel Inputs	2	2		
Number of MPP Trackers	1	1		
Max. Input Current	128A	200A		
Nominal Output Power	50KW	75KW		
Max. Output Power	55KW	82.5KW		
Nominal Output Current	72A	108A		
Max. Output Current	80A	120A		
Nominal AC Output Voltage	400Vac	400Vac		
AC Output Voltage Range*	360~440Vac	360~440Vac		
AC Grid Frequency Range*	50±5Hz	50±5Hz		
Power Factor (cosφ)	0.9 (lead)~0.9 (lag)	0.9 (lead)~0.9 (lag)		
THDI	<3% (at nominal output power)	<3% (at nominal output power)		
Max.efficiency	>96.5%	>96.8%		
Euro.efficiency	>95.8%	>96.2%		
MPPT efficiency	>99.9%	>99.9%		
Operating Temperature	-25°C~+50°C	-25°C~+50°C		
Noise (typical)	≤65dB (A)	≤65dB (A)		
Operating Consumption	<100W	<100W		
Electrical Isolation	Transformer	Transformer		
Cooling Concept	Fan Cooling	Fan Cooling		
Protect Level	IP20	IP20		
Communication	RS485	RS485		
Dimension (W*D*H mm)	650*750*1500	720*800*1650		
Weight (Kg)	350	450		

 $^{\star}\text{AC}$ grid voltage range and frequency range depend on local standards.



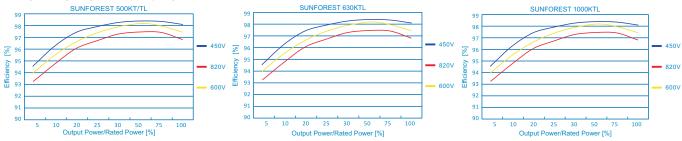
Model (SUNFOREST)	100KT	150KT	175KT	250KTL	250KT	
Max. DC Input Power	115KW	172KW	202KW	285	KW	
Max DC Voltage		1000Vdc				
MPPT Operating Range		450~820Vdc				
Number of Parallel Inputs	2	4	4	4/	6	
Number of MPP Trackers			1			
Max. Input Current	250A	380A	500A	60	0A	
Nominal Output Power	100KW	150KW	175KW	250	KW	
Max. Output Power	110KW	165KW	192KW	275	KW	
Nominal Output Current	144A	216A	253A	535A	360A	
Max. Output Current	158A	238A	278A	589A	400A	
Nominal AC Output Voltage	400Vac	400Vac	400Vac	270Vac	400Vac	
AC Output Voltage Range*	360~440Vac	360~440Vac	360~440Vac	243~297Vac	360~440Vac	
AC Grid Frequency Range*			50±5Hz			
Power Factor (cosφ)			0.9 (lead)~0.99 (lag)			
THDI		<3	% (at nomimal output pow	er)		
Max.efficiency	>97.1%	>97.4%	>97.4%	>98.4%	>97.6%	
Euro.efficiency	>96.4%	>97.0%	>97.1%	>98.0%	>97.0%	
MPPT efficiency	>99.9%	>99.9%	>99.9%	>99.9%	>99.9%	
Operating Temperature			-25°C~+50°C			
Noise (typical)			≤65dB (A)			
Operating Consumption			<100 W			
Electrical Isolation		Transformer		Transformerless	Transformer	
Cooling Concept			Fan Coolling			
Protect Level			IP20			
Communicaiton			RS485			
Dimension (W*D*H mm)	1000*680*1800	950*900*1800	950*900*1800	1000*900*1850	1650*900*1850	
Weight (Kg)	650	830	900	1350	1850	

 $^{\star}\text{AC}$ grid voltage range and frequency range depend on local standards.



Model (SUNFOREST)	500KTL	500KT	630KTL	1000KTL		
Max. DC Input Power	570KW	570KW	715KW	1157KW		
Max DC Voltage		1000Vdc				
MPPT Operating Range	450~820	OVdc	500~820Vdc	450~820Vdc		
Number of Parallel Inputs		8/12		16/20		
Number of MPP Trackers		•	1			
Max. Input Current	120	00A	1400A	2400A		
Nominal Output Power	500	KW	630KW	1000KW		
Max. Output Power	550	KW	693KW	1100KW		
Nominal Output Current	1070A	721A	1155A	1603A		
Max. Output Current	1177A	793A	1270A	1764A		
Nominal AC Output Voltage	270Vac	400Vac	315Vac	360Vac		
AC Output Voltage Range*	243~297Vac	360~440Vac	283~347Vac	324~396Vac		
AC Grid Frequency Range*		50±5Hz				
Power Factor (cosφ)		0.9 (lead)	~0.9 (lag)			
THDI		<3% (at nomina	al output power)			
Max.efficiency	>98.5%	>97.3%	>98.6%	>98.6%		
Euro.efficiency	>98.0%	>96.6%	>98.2%	>98.0%		
MPPT efficiency	>99.9%	>99.9%	>99.9%	>99.9%		
Operating Temperature		-25°C~	-+50°C			
Noise (typical)		≤650	dB (A)			
Operating Consumption		<10	00W			
Electrical Isolation	Transformerless	Transformer	Transfor	rmerless		
Cooling Concept		Fan C	oolling			
Protect Level		IP	20			
Communication		RS	485			
Dimension (W*D*H mm)	1700*900*1850	2600*900*1850	1700*900*1850	6058*2896*2438		
Weight (Kg)	1850	2950	1920	8000		







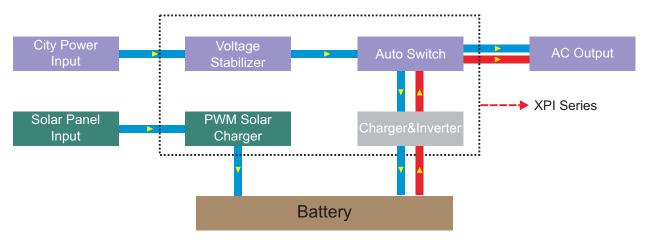
Indoor Solar Charger & Inverter

Features

- ➤ High efficiency, 85%~90%
- Integrated with solar charger, AC charger (optional), inverter, AC bypass switch, transformer, solar and DC battery terminals, protection breakers and LCD display
- ➤ Auto-switch smoothly transfer the load to city power or inverter's output
- Auxiliary-charging could complement power to battery by city power even if PV array does not work in the raining days.
- Low frequency transformer allows to withstand high inrush load current, supports fan, pump, refrigerator, TV, airconditioner, lamp etc
- > True sine wave output
- Preferential solar charging function uses the renewable energy while city power is complementary
- ➤ The input of city power can be substituted by the input of diesel generator



System Graph



Model (XPI)	0.5KVA	0.7KVA	1.0KVA	1.5KVA			
Inverter Rating Power	350W	500W	700W	1000W			
Rated Battery Voltage	12V	12V	24V	24V			
Solar Charger parameters							
Max. PV Input Power	360	0W	720W	1200W			
Max. PV Input Voltage	30\	Vdc	50	Vdc			
Max. Solar Charging Current		30A		50A			
Battery overcharge protection	15\	Vdc	30	Vdc			
Battery discharge protection	10\	Vdc	20	Vdc			
AC Charger parameters (optional)							
City Power Input Voltage Range		145~275Vac(50Hz)/75~140Vac(60Hz)				
City Power Input Frequency Voltage		50/608	Hz±3%				
AC Charging Current		Standard: 10	0A, Max.: 15A				
Inverter parameters							
Inverter Output Voltage		110/120/127Vac±3	%; 220/230Vac±3%				
Inverter Output Frequency		50/60	Hz±1%				
Efficiency		85.0%	~90.0%				
Overload Capability	Overload	d Protection: 100~120% 2min	; 120%~300% 10s; short circu	uit, 0.1ms			
Crest factor		3 (can endure any sta	artup of inductive load)				
Output Wave		True Sir	ne Wave				
Others parameters							
Display		LC	CD				
Display Content	E	Battery Capacity, AC Input Vol	ltage, AC Output Voltage, Loa	d			
Comprehensive Protections	AC&DC OverLoad, U	Inder-voltage, SPD, Short-circ	cuit, Overcharge, Overdischar	ge, Over-temperature			
Cooling		High-velocit	y cooling fan				
Communication		RS	232				
Noise		<60	0dB				
Operation Temperature		0~4	10°C				
Storage Temperature		-15~-	+50°C				
Humidity		0~90%,	No dew				
Altitude		0-3000m(Above 1000m, de	erated power 1% per 100m)				
Dimension (W*D*H mm)		460*2	10*305				
Weight (Kg)	8	9	10	11			

Weight (Kg)	19	22	30	35	45	51
Dimension (W×D×H mm)		580*260*410			645*315*540	
Altitude		0~3000	m(Above 1000m, de	erated power 1% pe	r 100m)	
Humidity				No dew		
Storage Temperature			-15~+	+50°C		
Operation Temperature			0~4	l0°C		
Noise			<60	OdB		
Communication			RS	232		
Cooling			High-velocit	y cooling fan		
Comprehensive Protections	AC&DC Ov	verLoad, Under-volta	age, SPD, Short-circ	cuit, Overcharge, Ov	verdischarge, Over-te	emperature
Display Content		Battery Ca	apacity, AC Input Vol	tage, AC Output Vo	ltage, Load	
Display			LC	CD		
Others parameters						
Output Wave			True Sir	ne Wave		
Crest factor		3	(can endure any sta	artup of inductive loa	nd)	
Overload Capability		Overload Protecti	on: 100-120% 2min	; 120%-300% 10s; s	short circuit, 0.1ms	
Efficiency			85.0% ²	~90.0%		
Inverter Output Frequency				Hz±1%		
Inverter Output Voltage			110/120/127Vac±3	%; 220/230Vac±3%		
Inverter parameters						
AC Charging Current			Standard: 10)A, Max.: 15A		
City Power Input Frequency Voltage				Hz±3%		
City Power Input Voltage Range			145~275Vac(50Hz	:)/75-140Vac(60Hz)		
AC Charger parameters (optional)		10 / 40			00140	
Battery discharge protection		40Vdc			80Vdc	
Battery overcharge protection	30A	60Vdc		50A	120Vdc	
Max. PV Input Voltage Max. Solar Charging Current	204	100Vdc		50A	200Vdc	
·	1440W		JOVV		4800W	
Solar Charger parameters Max. PV Input Power	4.4.4.0\\\	240	00W		400014/	
Rated Battery Voltage	48V	48V	48V		96V	
Inverter Rating Power	1.5KW	2.0KW	3.0KW	3.5KW	4.0KW	5.0KW

Monitor Unit

WIFI Data Logger

Using wireless communication function, WiFi transfers information from the inverter to the remote server by router. Then customers obtain the information from the server by clients, such as PC, mobile phone, PAD and so on.



Wired Data Logger

- A single PMU can monitor 60 inverters at the same time and meet large-scale monitoring requirement
- > Can be connected by LAN and realize all monitoring to PMU
- > Can get comperehensive working status of the inverter
- The data stored in PMU can be easily converted to CSV and TXT format
- > Inverter can be connected and used directly without any setting
- > The distance of inverter communication monitoring is up to 1000m
- > Validity of data storage can be up to 3 years
- > Constant monitoring even in power-failure status



Environmental Monitor

Compact, easy to install. Acquisition a variety of environmental parameters, modular design, and the user can select the appropriate demand function to achieve cost optimization. RS485 communication and selection criteria MODBUS communications connect networking.



- > Remote monitor, RS485 communication optional
- > Simplest installation of cables
- > Comply with the requirement of outdoor installation
- > Wide DC input voltage, maximum input voltage 1000VDC
- > Special DC fuse for PV system
- > Special SPD for PV system
- > Easy to maintain
- > Customized on demand (dimension, strings, DC fuse etc)
- > PV Combiner Box (PVCB-8M/10M/12M/16M)

For large scale PV generation system, combiner box can reduce the cables between PV modules and inverters, increase reliability of system and make maintenance easier. PVCB series combine box is designed with high performance and reliability, provides total system solutions with our gird-tied inverters. It ensures safety of PV system and reduces the installation time.



Model	PVCB-8M	PVCB-10M	PVCB-12M	PVCB-16M		
Max DC Input Voltage		1000Vdc				
Number of Input String	8	10	12	16		
Current per DC Fuse of String		10/	15A			
Output Terminal		PG21				
Protection Level		IP	65			
Environment Temperature		-25~60°C				
Environment Humidity	0~99%					
Output DC Breaker		yes				
Lighting Module		yes				
String Current Inspection		y	es			
SPD Failure Inspection		y	es			
Output DC Breaker Inspection		yes				
Communication	RS485					
Dimension(W*H*D mm)	360*46	60*212	440*460*212	460*460*212		
Weight (Kg)	2	0	2	22		

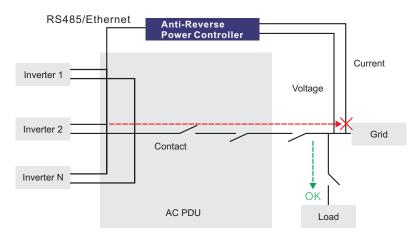
- > Power: 50KW-1260KW
- > Simplify the wiring of solar system
- > Easy to maintain and operate
- > Increase reliability and safety of system
- > Customized on demand (dimension, internal configuration)

AC PDU diagram AC PDU 3X100KW Breaker 1 Inverter 1 A Inverter 2 A Inverter N

Model	JFY-ACB300K	JFY-ACB500K	JFY-ACB1000K	
Max. Number of Connecting Inverter	3pcs*100KW	2pcs*250KW	2pcs*500KW	
Nominal AC Output Power	300KW	300KW 500KW		
Max. AC Output Current	476A	1200A	1800A	
Wiring	Copper Bars			
SPD		Superior SPD		
Isolation		3000Vac, 1min		
Protection Level		IP20		
Dimension (W*D*H mm)	900*600*1800	1100*600*1800 1300*600*1800		
Weight (kg)	155	190	250	

Anti-Reverse Power Controller make sure that the solar energy supplys the local load instead of the public utility by monitoring the voltage and current of the utility interface. When solar energy flows to the utility, it will reduce the output current of inverters; if the communication has problems or other system failures happen; it will totally stop the connection between the inverters and the utility power grid by disconnecting the breaker of AC PDU or turning off the inverter by preset program.

Anit-reverse Power Diagram



Power	50KW~500KW
Number of connect inverter	Maximum 31pcs
Auxi-power	AC 220V 50Hz
No load power	<50W
Communication	RS485 (Ethernet optional)
Display	LCD
Cooling	Air Cooling
Operation Temperature	-25°C~+55°C
Protection Level	IP 20
Precision	0.5S (0.5 CT)

- > Integrated large LCD display
- ➤ Bar chart display for historical output energy of PV system, for example, daily, monthly and yearly output energy
- ➤ Advanced wireless communication technology (Up to 120 meters in open area)
- Monitor up to 5 inverters, convenient to monitor small commercial or residential PV system
- ➤ Real time monitoring for output power of PV system, operation value and carbon saving data
- > Error recorder and warning buzzer



	Receiver Unit	Emitter Unit
Power source	AA*3	Powered by RS232 port on inverter
Working current	<30mA	<120mA
Wireless transmission mode	433MHZ FSK	433MHZ FSK
Communication distance	120m	120m
LCD display	90*76MM digital display	\
Installing type	\	Plug on RS232 port on inverter, each EU per inverter
Monitor the max. number of inverter	5	\
Max. number of connected Emitter Unit	5	\
Currency	£, \$, ¥	\
Real-time power display	Yes	\
E-total display	Yes	1
E-history date display	Yes	1
Date display	D/M/Y	1
Time display	Yes	1
Error alarm	Yes/LCD display& Warning buzzer	1
Stand-by current	<1mA	\
IP protection type	IP20 (Indoor type)	IP65 (Outdoor type)
Operation temperature range	0~50°C	-25~60°C
Warranty	2 years	2 years



Germany 3KW Home On-grid System





England 4KW Home On-grid System





Malaysia 3KW Home On-grid System



Denmark 6KW Home On-grid System





Denmark 60KW Farm On-grid System



Netherlands 10KW Home On-grid System



Chile 1.5KW Home On-grid System



Others



Certifications





































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