Sandi 三迪电气

Sandi Electric Co. , Ltd.

Low Frequency Off-Grid Solar/Wind Inverter

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Company profile

Yueqing Sandi Electric Co., Ltd is an international PV enterprise which is located in the "capital of China's electrical appliances" Wenzhou. Specialized in the new energy source and electrical source scientific research, development, manufacture and service had surpasses for 15 years of electrical source field, which recognized by widely customers according to entirely varieties, high quality and service first. At present, the researched products by our company basically contain the best product at home and abroad, which delegated the top level of electrical source manufacture all over the world. **The main products include grid-connected inverter, off grid pure sine wave inverter, solar pump inverter, single phase to 3 phase converter, PV array combiner box, solar charge controller, Wind-solar hybrid controller, AC-DC battery charger and etc products.**

Sandi is recognized by widely customers according to entirely varieties, high quality and service first. The R&D and engineering technicians have multi-year experiences in product design, product implementation, engineering service and can manufacture the solar energy generation products with the international competition capability reaches advanced level in the world, our product have passed **CE (EMC&LVD), SAA (AS4777&AS3100), G83/1, G59, VDE ARN 4105, UL1741, CSA22.2 and ISO9001 certification** and approved by international standard.

SANDI Electric Company insist on technology as forerunner, keep long-term, good research cooperation with all universities; fetch in and absorb international advanced technology, built strictly quality control system.

We will take the work objective of “unremitting exploration, endeavor and innovation, honesty and dedication, perfect and practicality” and quality guideline of “criterion management, intensive manufacture, quality first, service with all hearts”. Seek excellence, value innovation!

We will ceaselessly struggle and create refulgence with you together!

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Qualification certificate

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Off Grid Pure Sine Wave Inverter Introduction

SANDI **SDP series Pure Sine Wave Inverter** is the one of the most advanced technology DC to AC conversion products in the world, it's suitable use for areas without electricity, providing a complete power solution for strict demand applications. With SVPWM technology it has high conversion efficiency, high instantaneous power and low losses power output pure sine wave, applying to capacitive, inductive and nonlinear mixed-load, with superior load capacity, perfect protection function: overload, short circuit, low/over battery voltage, improper operation etc, which won't cause mechanical failures. This Inverter is very suitable for solar power systems, wind power generation systems, wind and solar hybrid generation systems. The inverter can supply AC power to all kinds of electric equipment, air conditioners, electric motors, refrigerators, fluorescent lights, televisions, electric fans and other industrial power supply.

Technical Features:

- ✧ Using the sixth generation efficient **IPM intelligent module** from Japanese Mitsubishi, **high efficiency and stable performance**. It with **powerful protection** function for **short circuit, over load and over temperature** which is more safe and reliable. **It's service life can up to 15-20 years or more**.
- ✧ Intelligentized, modularized and simple structure design, **very easy and convenient for maintenance**.
- ✧ Two kinds of start mode: **Step Down Voltage Start and Variable Frequency Start**. Customer can set start mode according to the type of their load. This function is very convenient for users and also reduce frequency converter's usage, save more cost and easy to connect wires and control.
- ✧ The **output frequency 50Hz/60Hz can be set** via LCD panel.
- ✧ The **output voltage can be set** between -40 % to +20 % of rated voltage. And the accuracy of output voltage is very high less than 1%.
- ✧ The **DC input voltage range can be set**. over-voltage point, under-voltage point, over-voltage recovery point, under-voltage recovery point and under voltage recovery time all can be set via the LCD panel. Convenient for increasing or reducing the quantity of batteries and solar panel in the future.
- ✧ Using SVPWM space vector algorithms, high conversion efficiency, high instantaneous power and low losses, higher efficiency > 94%.
- ✧ **Pure sine wave output**. with good transient response less than 50MS, little harmonic distortion, higher conversion efficiency and stable output voltage.
- ✧ **Low frequency transformer**, which ensure the AC busbar and DC busbar are completely isolated to avoid interference, high efficiency and very little no-load loss.

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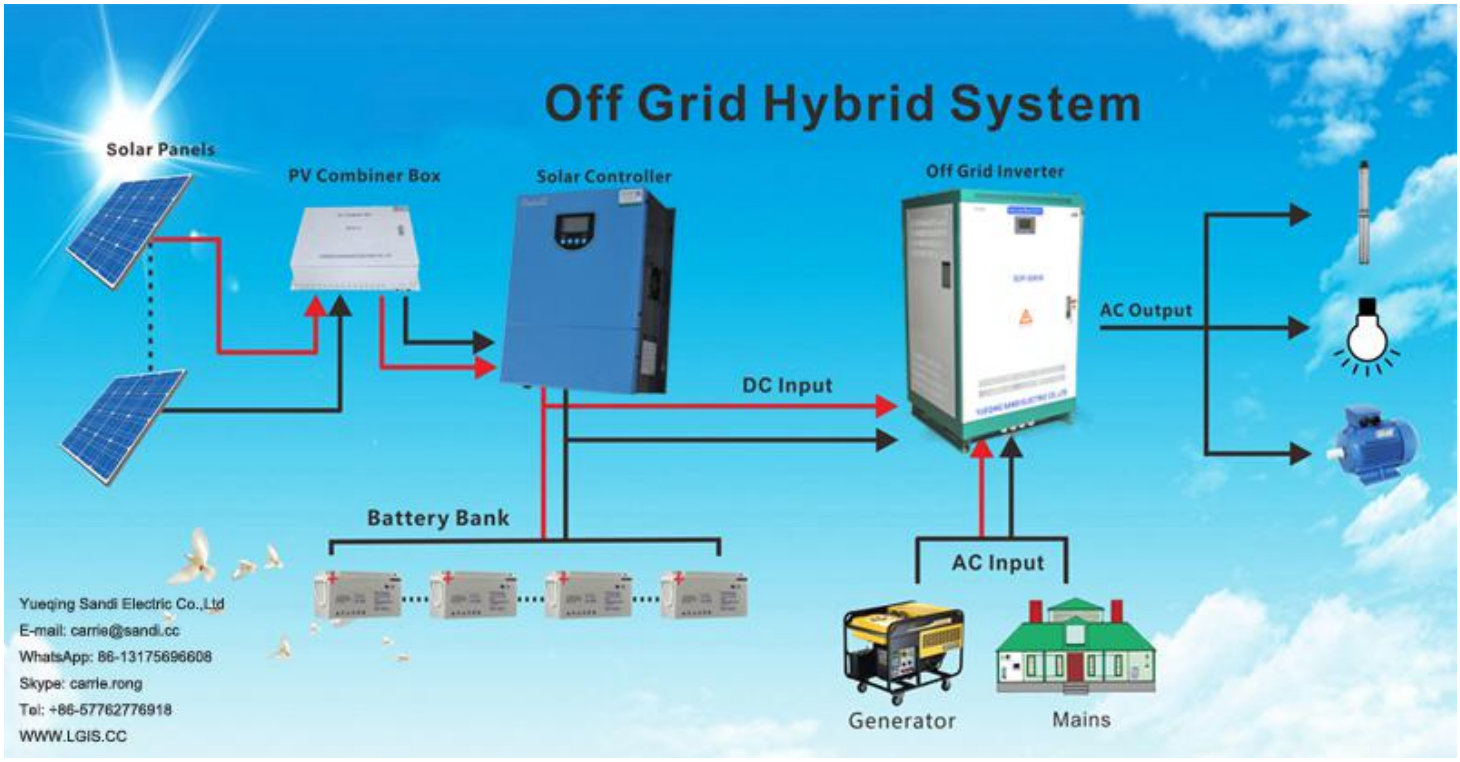
- ✧ **Powerful data display and fault instruction function**. **LCD** can **display** the DC input voltage, output frequency, phase voltage, phase current, AC bypass input voltage, output power KWH, time and date, temperature, fault code display.
- ✧ **Wide input voltage can be set** according to customer's requirement. Input voltage range can be selected from 100-400v or 200-600v or 400-850v. This wide voltage input **off grid inverter can work without battery** and solar charge controller, which save battery cost and same like with MPPT function can maximum make full use of solar power .
- ✧ **AC bypass input function optional**: Battery Power Priority or AC Bypass Priority work mode can be set.
- ✧ **RS485 remote monitoring function optional**
- ✧ **Solar charge controller and AC to DC battery charger built in optional** for customer
- ✧ **Can be customized** to customer's specification.
- ✧ European **CE (EMC and LVD)** certification, accredited by **Australian CEC, ERAC** energy network, meet **UL1741 and CSA22.2** standard.

[Optional]

- ✧ **RS485 remote monitoring**
- ✧ **AC Bypass input (Battery Priority or AC Bypass Priority work mode can be set)**

Off Grid Solar Hybrid System



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Technical Parameters

Model		SDP-3KW		SDP-4KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	48V	96V	48V	96V
	Rated current(A)	63A	31A	83A	42A
AC Output					
	Rated power(KW)	3KW		4KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	13.6A	4.5A (phase current)	18.2A	6A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%			
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	450x550x760mm			
	Weight (Kg)	65Kg		75Kg	
Certification		European CE(EMC & LVD), SAA			

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Model		SDP-5KW		SDP-6KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	48V	96V	48V	96V
	Rated current(A)	104.16A	52A	125A	62.5A
AC Output					
	Rated power(KW)	5KW		6KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	23A	7.6A (phase current)	27A	9A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance⩽1%, Unbalance load⩽5%			
	Waveform distortion rate (THD)	Linear load⩽2%, Nonlinear load⩽3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	450x550x760mm			
	Weight (Kg)	85Kg		95Kg	
Certification	European CE(EMC & LVD), SAA				

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Model		SDP-8KW		SDP-10KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	120V	192V	192V	240V
	Rated current(A)	67A	42A	52A	42A
AC Output					
	Rated power(KW)	8KW		10KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	36A	12A (phase current)	45.5A	15A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%			
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	550x550x860mm			
	Weight (Kg)	105Kg		120Kg	
Certification	European CE(EMC & LVD), SAA				

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Model		SDP-12KW		SDP-15KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	192V	240V	192V	240V
	Rated current(A)	62.5A	50A	78A	62.5A
AC Output					
	Rated power(KW)	12KW		15KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	55A	18A (phase current)	68A	23A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%			
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	550x550x860mm			
	Weight (Kg)	130Kg		140Kg	
Certification		European CE(EMC & LVD)			

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Model		SDP-20KW		SDP-25KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	220V	240V	220V	240V
	Rated current(A)	91A	83A	113.63A	104A
AC Output					
	Rated power(KW)	20KW		25KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	91A	31A (phase current)	114A	38A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance⩽1%, Unbalance load⩽5%			
	Waveform distortion rate (THD)	Linear load⩽2%, Nonlinear load⩽3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	550x750x1000mm			
	Weight (Kg)	180Kg		220Kg	
Certification		European CE(EMC & LVD)			

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Model		SDP-30KW		SDP-40KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	240V	300V	300V	360V
	Rated current(A)	125A	100A	133.3A	111A
AC Output					
	Rated power(KW)	30KW		40KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	136A	45.5A (phase current)	182A	61A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%			
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	650x750x1100mm			
	Weight (Kg)	260Kg		300Kg	
Certification		European CE(EMC & LVD)			

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Model		SDP-50KW		SDP-60KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	360V			
	Rated current(A)	139A		167A	
AC Output					
	Rated power(KW)	50KW		60KW	
	Rated voltage	220V±3%	380VAC±3%	220V±3%	380VAC±3%
	Output phases	Single phase	3 phase	Single phase	3 phase
	Rated current (A)	227A	75.7A (phase current)	272.7A	90.9A (phase current)
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%			
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	710x750x1300mm			
	Weight (Kg)	400Kg		420Kg	
Certification		European CE(EMC & LVD)			

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Model		SDP-80KW	SDP-100KW
Isolation mode		Low Frequency Transformer	
DC Input	Rated voltage(Vdc)	480V	
	Rated current(A)	167A	208A
AC Output			
	Rated power(KW)	80KW	100KW
	Rated voltage	380VAC±3%	
	Output phases	3 phase + N + PE	
	Rated current (A)	121A (phase current)	152A (phase current)
	Output frequency	50Hz or 60Hz	
	Output waveform	Pure Sine Wave	
	Voltage accuracy	Load balance≤1%, Unbalance load≤5%	
	Waveform distortion rate (THD)	Linear load≤2%, Nonlinear load≤3%	
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)	
	Power Factor (PF)	0.95	
	Inverter Efficiency	>94%	
	Electrical insulation properties	2000Vac, 1 Minute	
	Running mode	Working continuously, can work 24h*7	
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized	
	Phases	Single / Two/ Three phase optional	
Protection Function			
	Overload Ability	120% - 35 seconds, 150% - 5 seconds	
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.	
	Display	LCD	
	Communication port	RS485(Optional)	
	Cooling method	Fan-cooled	
	Short-circuit protection	No automatic recovery, need to restart the machine	
Working environment & Mechanical dimension			
	Degree of protection	IP20(indoor)	
	Working Altitude (m)	≤2500m	
	Working temperature	-15~+50℃	
	Relative humidity	0~90%，non-condensing	
	Noise (1 meter)	≤50dB	
	Depth* Width * Height	750x750x1480mm	
	Weight (Kg)	520Kg	620Kg
Certification		European CE(EMC & LVD)	

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Model		SDP-150KW		SDP-200KW	
Isolation mode		Low Frequency Transformer			
DC Input	Rated voltage(Vdc)	480V	600V	480V	600V
	Rated current(A)	312.5A	250A	416.7A	333.3A
AC Output					
	Rated power(KW)	150KW		200KW	
	Rated voltage	380VAC±3%			
	Output phases	3 phase + N + PE			
	Rated current (A)	227A (phase current)		303A (phase current)	
	Output frequency	50Hz or 60Hz			
	Output waveform	Pure Sine Wave			
	Voltage accuracy	Load balance⩽1%, Unbalance load⩽5%			
	Waveform distortion rate (THD)	Linear load⩽2%, Nonlinear load⩽3%			
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)			
	Power Factor (PF)	0.95			
	Inverter Efficiency	>94%			
	Electrical insulation properties	2000Vac, 1 Minute			
	Running mode	Working continuously, can work 24h*7			
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized			
	Phases	Single / Two/ Three phase optional			
Protection Function					
	Overload Ability	120% - 35 seconds, 150% - 5 seconds			
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.			
	Display	LCD			
	Communication port	RS485(Optional)			
	Cooling method	Fan-cooled			
	Short-circuit protection	No automatic recovery, need to restart the machine			
Working environment & Mechanical dimension					
	Degree of protection	IP20(indoor)			
	Working Altitude (m)	≤2500m			
	Working temperature	-15~+50℃			
	Relative humidity	0~90%，non-condensing			
	Noise (1 meter)	≤50dB			
	Depth* Width * Height	1200x1200x1860mm			
	Weight (Kg)	1000Kg		1100Kg	
Certification	European CE(EMC & LVD)				

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Model		SDP-300KW	SDP-500KW
Isolation mode		Low Frequency Transformer	
DC Input	Rated voltage(Vdc)	600V	
	Rated current(A)	500A	833.3A
AC Output			
	Rated power(KW)	300KW	500KW
	Rated voltage	380VAC±3%	
	Output phases	3 phase + N + PE	
	Rated current (A)	454.5A (phase current)	757.6A (phase current)
	Output frequency	50Hz or 60Hz	
	Output waveform	Pure Sine Wave	
	Voltage accuracy	Load balance⩽1%, Unbalance load⩽5%	
	Waveform distortion rate (THD)	Linear load⩽2%, Nonlinear load⩽3%	
	Dynamic Response	5%, ≤50ms(load 0 ~ 100%)	
	Power Factor (PF)	0.95	
	Inverter Efficiency	>94%	
	Electrical insulation properties	2000Vac, 1 Minute	
	Running mode	Working continuously, can work 24h*7	
	Output voltage(Vac)	110/120/220/230/240/380/400/415/440VAC can be customized	
	Phases	Single / Two/ Three phase optional	
Protection Function			
	Overload Ability	120% - 35 seconds, 150% - 5 seconds	
	Protection	Input reverse polarity, under voltage, over voltage, output over-current, short circuit, overheating etc.	
	Display	LCD	
	Communication port	RS485(Optional)	
	Cooling method	Fan-cooled	
	Short-circuit protection	No automatic recovery, need to restart the machine	
Working environment & Mechanical dimension			
	Degree of protection	IP20(indoor)	
	Working Altitude (m)	≤2500m	
	Working temperature	-15~+50℃	
	Relative humidity	0~90%，non-condensing	
	Noise (1 meter)	≤50dB	
	Depth* Width * Height	1200x1200x1860mm	2000x1260x1900mm
	Weight (Kg)	1300Kg	2400Kg
Certification		European CE(EMC & LVD)	

The DC Input Voltage, AC Output Voltage, Frequency and Phase can be customized.

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SANDI Off Grid Inverter Advantages	Others Inverter
Easy to repair	Difficult to repair
*Adopted **Japanese Mitsubishi IPM intelligent module**, Modular and simple structure design, very easy and **convenient for maintenance**, any fault only need us send you parts for replacement, maintenance is low-skill work	Used Mosfet Tube or little IGBT, integrated and complicated structure design, very difficult for maintenance, need send product back to factory for repair, WASTE TIME AND WASTE MONEY
Little fault rate	High fault rate
It with **powerful protection function** for short circuit, over load and over temperature which is more safe and reliable. Fault rate < 1%	Incomplete protection
100% full power stable output	Not full power output
Inside with full power low frequency isolated transformer, **100% full power output**, can work 24h*7, which ensure the AC busbar and DC busbar are completely isolated, the harmonic and interference is very little, constant voltage and constant frequency stable output.	High frequency transformer, little capacity not full power inverter, 10KW inverter only can output 7-8KW, can't take full load and run 24h/day
High efficiency	Low efficiency
> 92%	<90%
Long service life	Short service life
> 15 years	1-3 years
AC bypass input can be set	AC bypass can't be set
City power priority or battery power priority can be set	
Setting flexible	
Wide DC input voltage range can be set *The DC input voltage range(over-voltage point, under-voltage point, over-voltage recovery point, under-voltage recovery point and under voltage recovery time) can be set, convenient for adding more solar panel or battery in the future. **The output frequency 50Hz/60Hz can be set**. Variable Frequency Start control motor speed. **The output voltage can be set**. And the accuracy of output voltage is very high less than 1%.	
Two kinds of start mode	
Variable Frequency Start or Step Down Voltage Start with higher capacity to drive motor inductive load, normal inverter's power need enlarge 3-7 times at least, however our inverter with VFD function, inverter's power not need enlarge times, for example: 5KW inverter can take 3kw-5kw pump	
Big LCD display	
***LCD display** the DC input voltage, output frequency, phase voltage, phase current, AC bypass input voltage, output power KWH, time and date, temperature, fault code display.	
2 years warranty(whole life technology support)	
Certificate: CE(EMC&LVD), UL1741, CSA22.2	

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SANDI Other Products Show

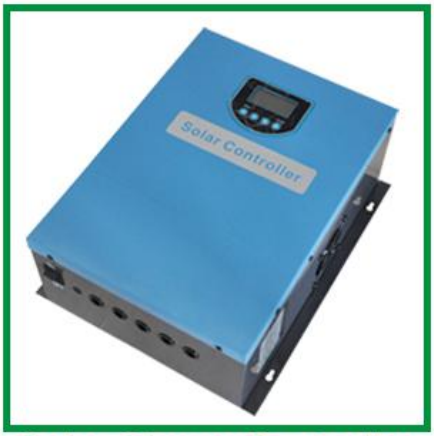
Related Products

Off Grid Inverter

Solar Pump Inverter

Grid Tie Inverter

PV Combiner Box



Solar Charge Controller

AC-DC Battery Charger

Wind Controller

Power Phase Converter

Solar System

Sandi

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