



Off Grid Solar Inverter

SANDI ELECTRIC CO., LTD www.lgis.cc

Company profile

Zhejiang 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.

Sandi company's products are widely applied in solar or wind energy, construction, industry, new energy source, civilian use, electric power, medical treatment, aviation, automatically control system of war industry and national heavy engineering project.

Main products: PV Grid-connected inverter, Solar off grid pure sine wave inverter, solar pump inverter, PV array combiner box, solar charge controller, wind-solar hybrid controller, single phase to three phase converter 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 and EN62109, EN61000 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.









Qualification certificate



















Product 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, the protection for short circuit, over load, over temperature is more safe and reliable. It's service life can up to 15 years or more.
- ♦ Intelligentized, modularized, simple structure design easy to maintenance.
- According to the product configuration conditions, adjustment the system usage mode: DC(Battery/Solar) priority or AC mains bypass priority can be set.
- Two kinds of start mode: Reduction Voltage Start and Variable Frequency Start. Customers 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, which reduced the cost of equipment investment, easy to connect wires and control.
- ♦ The output frequency can be setting via LCD panel, it's very convenient for customer.
- → The output voltage can be set between -40 % to +20 % of rated voltage. And the output voltage is very accuracy ±1%.
- → The DC input voltage range can be set. Over-voltage point, under-voltage point, over-voltage recovery point, under-voltage recovery point all can be setting via the LCD panel.
- → Pure sine wave output. With good dynamic response less than 50MS, waveform distortion rate smaller, higher conversion efficiency and stable output voltage.
- ♦ Built-in low frequency isolation transformer, strong impact resistance, available with motors, pump, air conditioners and other high impact equipment. At the same time DC busbar and AC busbar are completely isolated to avoid interference.

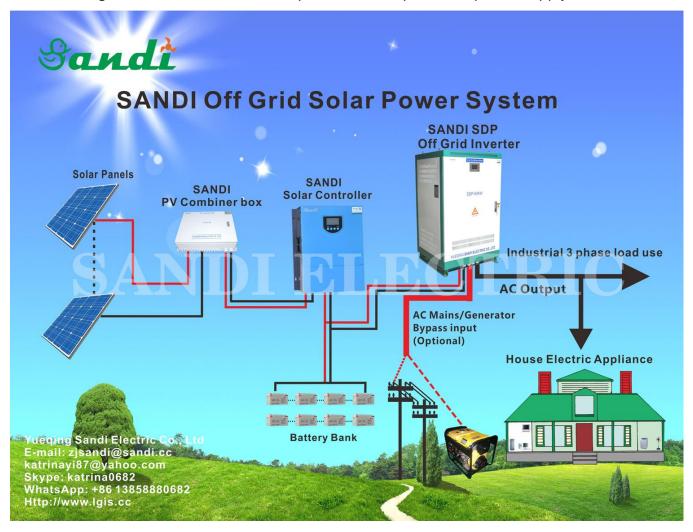
- ♦ Wide input voltage can be set according to customer's requirement. Input voltage range can be selected from 100-300V, 200-500V or 500-850V, suitable for solar/wind system without backup batteries, it can save many cost and maximization use the solar/wind energy.
- ♦ Using SVPWM space vector algorithms, high conversion efficiency, high instantaneous power and low losses conversion efficiency up to 94%.
- → Powerful data display 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.
- ♦ European CE (EMC, LVD) certificate, accredited by Australian CEC, ERAC energy network.

[Optional]

- RS485 remote monitoring;
- ♦ Can add AC bypass input complementary function;

PV Off-grid Solar Power System

PV Off-grid solar power generation system including solar panel array, solar charge controller, storage battery, Off-grid inverter, PV combiner box and etc. In the sunshine, the solar panel convert the solar energy to DC power and charge the battery group by the charge controller. Then the off grid inverter convert the DC power into AC power for power supply the AC load.



Model	SDP-3KW SDP-4KW			
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	48Vdc	96Vdc	48Vdc	96Vdc
Rated current (A)	62.5A	31A	83A	42A
Input voltage range (Vdc)	43~80V	86~150V	43~80V	86~150V
AC Output		L	L	
Rated power (Kw)	3K)	W	4K	W
Rated voltage	220V±3%	380V±3%	220V±3%	380V±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	1 phase 2 wire	3 phase 4 wire
Rated current (A)	13.6A	4.5A	18A	6A
Rated output voltage range (V)	110/120/220	0/230/240/380/400	/415/440/480VAC	(optional)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>94%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (℃)	-15∼+50℃			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	550×450×750mm			
Reference weight (Kg)	60Kg 65Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-5KW SDP-6KW			
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	96Vdc	120Vdc	96Vdc	120Vdc
Rated current (A)	52A	42A	62.5A	50A
Input voltage range (Vdc)	86~140V	108~175V	86~140V	108~175V
AC Output				
Rated power (Kw)	5K\	W	6K	W
Rated voltage	220V±3%	380V±3%	220V±3%	380V±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	1 phase 2 wire	3 phase 4 wire
Rated current (A)	23A	7.5A	27A	9A
Rated output voltage range (V)	110/120/220	0/230/240/380/400	/415/440/480VAC	(optional)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity ($^{\circ}\!\mathbb{C}$)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	550×450×750mm			
Reference weight (Kg)	80Kg 90Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-8KW SDP-10KW			
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	120Vdc	192Vdc	192Vdc	240Vdc
Rated current (A)	67A	42A	52A	42A
Input voltage range (Vdc)	108~175V	172~275V	172~275V	216~340V
AC Output				
Rated power (Kw)	8K\	W	10k	(W
Rated voltage	220V±3%	380V±3%	220V±3%	380V±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	1 phase 2 wire	3 phase 4 wire
Rated current (A)	36A	12A	45.5A	15A
Rated output voltage range (V)	110/120/220	0/230/240/380/400	/415/440/480VAC	(optional)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity ($^{\circ}\!$	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	550×550×875mm			
Reference weight (Kg)	110Kg 120Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-15KW SDP-20KW			20KW
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	192Vdc	240Vdc	240Vdc	360Vdc
Rated current (A)	78A	62.5A	83A	55.5A
Input voltage range (Vdc)	172~275V	216~340V	216~340V	324~480V
AC Output				
Rated power (Kw)	15K	W .	20K	(W
Rated voltage	220V±3%	380V±3%	220V±3%	380V±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	1 phase 2 wire	3 phase 4 wire
Rated current (A)	68A	23A	90A	30A
Rated output voltage range (V)	110/120/220	0/230/240/380/400	/415/440/480VAC	(optional)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	550×550×875mm			
Reference weight (Kg)	145Kg 180Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-25KW SDP-30KW			
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	240Vdc	360Vdc	240Vdc	360Vdc
Rated current (A)	104A	69.5A	125A	83A
Input voltage range (Vdc)	216~340V	324~480V	216~340V	324~480V
AC Output				
Rated power (Kw)	25K	W .	30k	(W
Rated voltage	220V±3%	380V±3%	220V±3%	380V±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	1 phase 2 wire	3 phase 4 wire
Rated current (A)	114A	38A	136A	45.5A
Rated output voltage range (V)	110/120/220	0/230/240/380/400)/415/440/480VAC	(optional)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (℃)	-15∼+50℃			
Relative humidity ($^{\circ}\!\mathbb{C}$)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	600×700×1150mm			
Reference weight (Kg)	220Kg 270Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-40KW SDP-50KW			
Isolation mode	Low Frequency Transformer			
DC Input	· · ·			
Rated voltage (Vdc)	360Vdc	384Vdc	360Vdc	384Vdc
Rated current (A)	111A	104A	139A	130A
Input voltage range (Vdc)	324~480V	345~550V	324~480V	345~550V
AC Output				
Rated power (Kw)	40K	W .	50k	(W
Rated voltage	220V±3%	380V±3%	380V	±3%
Number of phases	1 phase 2 wire	3 phase 4 wire	3 phase	4 wire
Rated current (A)	182A	60A	76	A
Rated output voltage range (V)	220/230	0/240/380/400/415	6/440/480VAC (opti	onal)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working cor	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity ($^{\circ}\!$	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	650×750×1200mm			
Reference weight (Kg)	315Kg 360Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-60KW SDP-80KW			BOKW
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	384Vdc	480Vdc	384Vdc	480Vdc
Rated current (A)	104A	125A	208A	167A
Input voltage range (Vdc)	345~550V	432~650V	345~550V	432~650V
AC Output				
Rated power (Kw)	60K	W	80k	(W
Rated voltage	380V:	±3%	380V	±3%
Number of phases	3 phase	4 wire	3 phase	4 wire
Rated current (A)	91.	A	121	1A
Rated output voltage range (V)	220/230	0/240/380/400/415	5/440/480VAC (opti	onal)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity ($^{\circ}\!\mathbb{C}$)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	750×750×1485mm			
Reference weight (Kg)	420Kg 490Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-100KW SDP-150KW			50KW
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	384Vdc	480Vdc	480Vdc	540Vdc
Rated current (A)	260.5A	208A	312.5A	278A
Input voltage range (Vdc)	345~550V	432~650V	432~650V	486~750V
AC Output				
Rated power (Kw)	1001	W	150	< W
Rated voltage	380V:	±3%	380V:	±3%
Number of phases	3 phase	4 wire	3 phase	4 wire
Rated current (A)	151.	5A	227	'A
Rated output voltage range (V)	220/230	0/240/380/400/415	/440/480VAC (opti	onal)
Output frequency		50Hz or 60Hz ±0	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear loa	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			ut over-current,
Display	LCD			
Communication interface (optional)		RS485 (A、B)	
Method of working		Working cor	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, nee	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature ($^{\circ}\!\mathbb{C}$)	-15∼+50℃			
Relative humidity ($^{\circ}\!$		0~90%, No co	ondensation	
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	750×750×1485mm 1000×1150×1860mm)×1860mm	
Reference weight (Kg)	550Kg 1050Kg			
Our company can adjust parameter	configuration accor	ding to user's requ	irement.	

Model	SDP-200KW SDP-250KW			50KW
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	480Vdc	540Vdc	540Vdc	600Vdc
Rated current (A)	417A	370A	463A	417A
Input voltage range (Vdc)	432~650V	486~750V	486~750V	540~850V
AC Output				
Rated power (Kw)	200h	(W	2501	< W
Rated voltage	380V:	±3%	380V	±3%
Number of phases	3 phase	4 wire	3 phase	4 wire
Rated current (A)	303	3A	379	9A
Rated output voltage range (V)	220/230	0/240/380/400/415	6/440/480VAC (opti	onal)
Output frequency		50Hz or 60Hz ±	0.05 (Can set)	
Waveform		Pure sine	e wave	
Waveform distortion rate (THD)		Linear lo	ad≤2%	
Dynamic Response time (Load 0←→100%)	5%, ≤50ms			
Power Factor (PF)	0.99			
Inverter Efficiency	>93%			
Electrical insulation properties	2000Vac、1 Minute			
Protection Function				
Overload Ability	150%、10s			
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.			
Display	LCD			
Communication interface (optional)	RS485 (A、B)			
Method of working		Working co	ntinuously	
Cooling method		Fan-co	ooled	
Short-circuit protection	No autor	matic recovery, ne	ed to restart the ma	achine
Working Environment & Mechani	cal dimension			
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15∼+50℃			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤60dB			
Unit size: (W x D x H)	1000×1150×1860mm			
Reference weight (Kg)	1150Kg 1300Kg			
Our company can adjust parameter configuration according to user's requirement.				

Model	SDP-300KW	SDP-400KW			
Isolation mode	Low Frequency Transformer				
DC Input					
Rated voltage (Vdc)	600V				
Rated current (A)	500A	667A			
Input voltage range (Vdc)	540~850V	540~850V			
AC Output					
Rated power (Kw)	300KW	400KW			
Rated voltage	380V±3%	380V±3%			
Number of phases	3 phase 4 wire	3 phase 4 wire			
Rated current (A)	454.5A	606A			
Rated output voltage range (V)	220/230/240/380/400/415	/440/480VAC (optional)			
Output frequency	50Hz or 60Hz ±0	0.05 (Can set)			
Waveform	Pure sine	e wave			
Waveform distortion rate (THD)	Linear lo	ad≤2%			
Dynamic Response time (Load 0←→100%)	5%, ≤50ms				
Power Factor (PF)	0.99				
Inverter Efficiency	>93%				
Electrical insulation properties	2000Vac、1 Minute				
Protection Function					
Overload Ability	150%、10s				
Protection	Input reverse polarity, under voltage short circuit, over	, overvoltage, output over-current, erheating etc.			
Display	LCI	D			
Communication interface (optional)	RS485 (A、B)			
Method of working	Working cor	ntinuously			
Cooling method	Fan-co	ooled			
Short-circuit protection	No automatic recovery, nee	ed to restart the machine			
Working Environment & Mechani	cal dimension				
Degree of protection	IP20 (in	door)			
Working Altitude (m)	≤250	0m			
Working temperature (°C)	-15∼+50℃				
Relative humidity (°C)	0~90%, No condensation				
Noise (1 meter)	≤60dB				
Unit size: (W x D x H)	1600×1600×2000mm				
Reference weight (Kg)	2300Kg 2600Kg				
Our company can adjust parameter	configuration according to user's requ	irement.			

Model	SDP-500KW		
Isolation mode	Low Frequency Transformer		
DC Input	, ,		
Rated voltage (Vdc)	600V		
Rated current (A)	833A		
Input voltage range (Vdc)	540~850V		
AC Output			
Rated power (Kw)	500KW		
Rated voltage	380V±3%		
Number of phases	3 phase 4 wire		
Rated current (A)	757.5A		
Rated output voltage range (V)	220/230/240/380/400/415/440/480VAC (optional)		
Output frequency	50Hz or 60Hz ±0.05 (Can set)		
Waveform	Pure sine wave		
Waveform distortion rate (THD)	Linear load≤2%		
Dynamic Response time (Load 0←→100%)	5%, ≤50ms		
Power Factor (PF)	0.99		
Inverter Efficiency	>93%		
Electrical insulation properties	2000Vac、1 Minute		
Protection Function			
Overload Ability	150%、10s		
Protection	Input reverse polarity, under voltage, overvoltage, output over-current, short circuit, overheating etc.		
Display	LCD		
Communication interface (optional)	RS485 (A、B)		
Method of working	Working continuously		
Cooling method	Fan-cooled		
Short-circuit protection	No automatic recovery, need to restart the machine		
Working Environment & Mechani	cal dimension		
Degree of protection	IP20 (indoor)		
Working Altitude (m)	≤2500m		
Working temperature (°C)	-15∼+50℃		
Relative humidity (°C)	0~90%, No condensation		
Noise (1 meter)	≤60dB		
Unit size: (W x D x H)	1600×1600×2000mm		
Reference weight (Kg)	3200Kg		
Our company can adjust parameter	configuration according to user's requirement.		

Project Case



63KW Solar pump system in Xingjiang

5KW Solar off-grid system in Xingjiang



20KW Solar off-grid system in Wuxi



10KW Solar off-grid systme in Italy



50KW Off-grid system for water plant in Ecuador



45KW off grid solar system in Kirghizstan





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