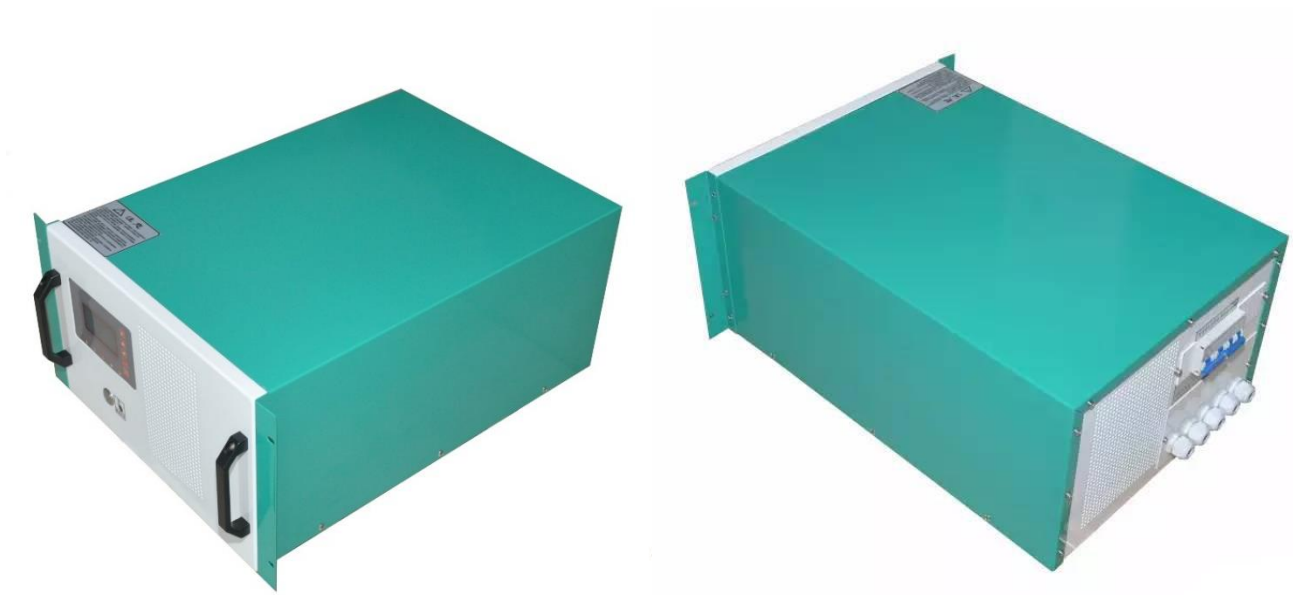


SANDI newest rack-mounted low frequency solar inverter



Main features :

- 1, Small size: 482*605*267mm
- 2, Power density large: 100% full power output
- 3, Light weight: 65kg
- 4, High efficiency: average efficiency up to 94% or more
- 5, Two start modes: Reduction Voltage Start and Variable Frequency Start
- 6, RS485 interface, AC bypass input function optional
- 7, Built-in low frequency isolation transformer with strong impact resistance, suitable for all types of load use.
- 8, DC input voltage can be customized 48-100V, 100-400V, 200-500V, 300-600V, 450-800V, suitable for solar/wind system without backup batteries.
- 9, Working hours 7 * 24 hours without interruption, the service life up to 15 years or more.
- 10, LCD display operating panel, can setting various parameters through LCD, easy to operation.
- 11, Power range 3kw-10kw, can be customized according to customer requirements.

Model	SDP-1KW		SDP-2KW	
Isolation mode	Low Frequency Transformer			
DC Input				
Rated voltage (Vdc)	24Vdc	48Vdc	48Vdc	96Vdc
Rated current (A)	42A	21A	83A	42A
Input voltage range (Vdc)	22~50V	43~70V	43~70V	86~140V
AC Output				
Rated power (Kw)	1KW		2KW	
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)	4.5A	1.5A	9A	3A
Rated output voltage range (V)	110/120/220/230/240/380/400/415VAC (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	>95%			
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 & Mechanical dimension				
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15 ~ +50°C			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	482×605×267mm			
Reference weight (Kg)	50Kg		55Kg	
Our company can adjust parameter configuration according to user's requirement.				

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)	43~70V	86~140V	43~70V	86~140V
AC Output				
Rated power (Kw)	3KW		4KW	
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)	14A	4.5A	18A	6A
Rated output voltage range (V)	110/120/220/230/240/380/400/415VAC (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	>95%			
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 & Mechanical dimension				
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15 ~ +50°C			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	482×605×267mm			
Reference weight (Kg)	50Kg		55Kg	
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)	5KW		6KW	
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)	110/120/220/230/240/380/400/415VAC (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	>95%			
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 & Mechanical dimension				
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15 ~ +50°C			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	482×605×267mm			
Reference weight (Kg)	60Kg		65Kg	
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)	8KW		10KW	
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)	110/120/220/230/240/380/400/415VAC (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	>95%			
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 & Mechanical dimension				
Degree of protection	IP20 (indoor)			
Working Altitude (m)	≤2500m			
Working temperature (°C)	-15 ~ +50°C			
Relative humidity (°C)	0~90%, No condensation			
Noise (1 meter)	≤50dB			
Unit size: (W x D x H)	400×400×600mm			
Reference weight (Kg)	70Kg		80Kg	
Our company can adjust parameter configuration according to user's requirement.				