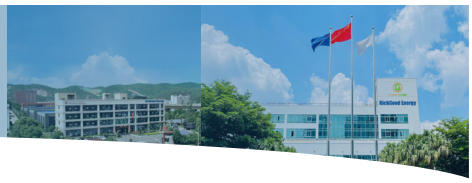

Single Phase Off Grid Inverters Series 3.5kW 5.5kW 10kW For Optimal Load Management

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: DS
- Certification: EN 61000-6-1/3 / IEC 62109-1/ IEC 62109-2 / UL1741 / FCC
- Model Number: DS-D-SAL
- Minimum Order Quantity: 8 set
- Price: consult prices online
- Packaging Details: 590*365*200/612*424*208
- Payment Terms: T/T

Single-phase Off-grid Inverter 3.5kW/5.5kW/10kW

Product Specification

- Nominal AC Apparent Power: SAL 3.6K_EU / SAL 3K_US: 3600 VA
- Max. Output Apparent Power: SAL 3.6K_EU / SAL 3K_US: 7200 VA(10s)
- MPPT Voltage Range: SAL 3.6K_EU / SAL 3K_US: 120~450 V
- Max. Efficiency: All Models: 97.0%
- MPPT Efficiency: All Models: >99%
- Battery Chemistry: All Models: LFP/Lead-Acid
- IP Rating: All Models: IP21
- Operating Temperature Range: All Models: -20°C To 60°C
- Highlight: **Single Phase Off Grid Inverters**, **3.5kW Off Grid Inverters**, **5.5kW single phase off grid inverter**

Single-phase Off-grid Inverter 8kW~10kW

Our Product Introduction

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Product Description

D Single-phase Off-grid Inverters Series 3.5kW/5.5kW/10kW for Optimal Load Management

Product Description

The D Single-phase Off-grid Inverter Series (3.5kW/5.5kW/10kW) is a high-efficiency device specifically designed to optimize energy conversion and load management. This series utilizes DSP digital control mode to ensure efficient AC/DC conversion, reducing energy losses. Additionally, the intelligent load management feature allows for load identification and distribution, optimizing power supply and protecting critical equipment. The inverter also offers a wide input voltage range, compatible with different battery types and voltages, enhancing system flexibility and compatibility.

Total 8 Model

Technicle Specifications				
Model	SAL3.6K_EU	SAL3K_US	SAL5.6K_EU	SAL5K_US
Battery				
Battery Chemistry	LFP/Lead-Acid			
Nominal Voltage (V)	24		48	
Max.Operating Current (A)	80		100	
Charing Current (A)	60		60	
PV Input				
Max.PV Input Power (W)	4000		6000	
Max.PV Input Voltage (V)	500			
MPPT Voltage Range (V)	120~450			
Start-up Voltage (V)	150			
Number of MPPT Trackers/Strings per MPPT Trackers 1/1				
Max.PV Input Current (A)	15		22	
AC Output(Off-grid)				
Nominal AC Apparent Power (VA)	3600	3600	5600	5600
Max.Output Apparent Power (VA)	7200,10s		11000,10s	
Nominal AC Voltage (V)	230	120	230	120
Nominal Grid Frequency(Hz)	50/60			
Max.Output Current (A)	15	30	24	46
THDi	<3%			
Efficiency				
Max.Efficiency	97.0%			
MPPT Efficiency	>99%			

Protection			
Anti-islanding Protection	Supported		
Reverse Connection Protection	Supported		
DC Switch	Supported		
Insulation Impedance	Supported		
AC Overcurrent/Overvoltage Protect	ion Supported		
AC Short Circuit protection	Supported		
Surge Protection	DC TYPE III,AC TYPE II		
General			
Dimension W*H*D(mm)	460*285*113	485*335*124	485*345*124
Packing Dimension L*W*D(mm)	590*365*200	612*424*208	
Weight (Kg)	10.5	14	16
Operating Temperature(℃)	-20~60		
Relative Humidity	0~95%,no condensation		
Permissible Altitude(m)	4000(>2000m derating)		
IP Rating	IP21		
Noize (dB)	<30		
Communication Interface	RS485/CAN,WIFI/4G/LAN,Bluethooth(optional)		
Display	LCD		
Safety EMC/Certification	EN 61000-6-1/3,IEC62109-1,IEC62109-2,UL1741/FCC		
Technicle Specifications			

Model	SAL 8K_EU	SAL8K_US	SAL 10K_EU	SAL10K_US
Battery				
Battery Chemistry	LFP/Lead-Acid			
Nominal Voltage(V)	48		48	
Max.Operating Current(A)	180		200	

Charing Current(A)	100		120	
PVInput				
Max.PV Input Power (W)	11000			
Max.PV Input Voltage (V)	500			
MPPT Voltage Range (V)	120~450			
Start-up Voltage(V)	125			
Number of MPPT Trackers/Strings per MPPT Trackers 2/2				
Max.PV Input Current (A)	160		200	
AC Output (Off-grid)				
Nominal AC Apparent Power (VA)	8000	8000	10000	10000
Max.Output Apparent Power (VA)	16000,10s		20000,10s	
Nominal AC Voltage (V)	230	120	230	120
Nominal Grid Frequency(Hz)	50/60			
Max.Output Current(A)	34	66	44	83
THD	<3%			
Efficiengy				
Max.Efficiency	97.0%			
MPPT Efficiency	>99%			

Protection	
Anti-islanding Protection	Supported
Reverse Connection Protection	Supported
DC Switch	Supported
Insulation Impedance	Supported
AC Overcurrent/Overvoltage Protecti	on Supported
AC Short Circuit protecton	Supported
Surge Protection	DC TYPE III,AC TYPE III
Genera	
Dimension W*H*D(mm)	645*450*133
Packing Dimension L*W*D(mm)	802*567*240
Weight (Kg)	28
Operating Temperature(℃)	-20-60
Relative Humidity	0~95%,no condensation
Permissible Atitude(m)	4000(>2000m derating)
IP Rating	IP21
Noize(dB)	<30
Communication Interface	RS485/CAN,WF/4G/LAN,Bluethooth(optional)
Display	LCD
Safety EMC/Certificaton	EN 61000-6-1/3,IEC62109-1,IEC62109-2,UL1741/FCC

Application

The D Single-phase Off-grid Inverter is widely used in standalone power systems for residential, agricultural, commercial, and remote areas. Its high-efficiency energy conversion and intelligent load management make it an ideal choice for off-grid solar power systems, backup power solutions, and critical applications where stable and reliable power supply is essential. This product is particularly valuable in areas with scarce energy resources or limited grid access, offering unmatched adaptability and reliability.

Shipping Methods

Supports global air and sea shipping

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