

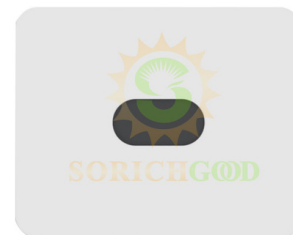


DH Single Phase Hybrid Inverter 5kW 6kW For Multiple Energy Inputs

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: DS
- Certification: EN 61000-6-1/3 / IEC 62109-1/ IEC 62109-2
- Model Number: DS-DH
- Minimum Order Quantity: 8 set
- Price: consult prices online
- Packaging Details: 490*395*200
- Payment Terms: T/T



Single-phase Hybrid Inverter 5kW/6kW

Product Specification

- Nominal AC Apparent Power: HYBRID5KTL-EU: 5000 VA
- Peak Output Apparent Power: HYBRID5KTL-EU: 10000 VA 10s
- MPPT Voltage Range: HYBRID5KTL-EU: 100~550 V
- Max. Efficiency: HYBRID5KTL-EU: 97.5%
- MPPT Efficiency: All Models: >95%
- IP Rating: All Models: IP66
- Operating Temperature Range: All Models: -20°C To 60°C
- Communication Interface: All Models: RS485/CAN, WIFI/4G/LAN, Bluetooth (optional)
- Highlight: **DH single phase hybrid inverter,
5kW single phase hybrid inverter,
6kW single phase hybrid solar inverter**

Product Description

Product Description

The DH Single-phase Hybrid Inverter Series (5kW/6kW) is a highly compatible and efficient power conversion device, suitable for multiple energy inputs, including solar energy, wind energy, and grid power, providing flexible energy solutions. The inverter utilizes advanced power electronics technology to achieve high-efficiency AC/DC and DC/AC conversion, significantly reducing energy consumption. Additionally, the product is equipped with multiple protection functions, such as overload, short circuit, and over-temperature protection, ensuring the system operates stably and safely.

Total 2 Model

Technicle Specifications		
Model	HYBRID5KTL-EU	HYBRID6KTL-EU
Battery		
Battery Type	LFP/Lead-acid	
Voltage Range(V)	40~60	
Max.Operating Current(A)	100	
Charing Current(A)	60	
PV Input		
Max.PVInput Power (W)	7500	9000
Max.PVInput Voltage (V)	600	
MPPT Voltage Range (V)	100~550	
Start-up Voltage(V)	125	
Number of MPPTs	2/2	
Max.PVInput Current(A)	16	
AC Input and Output (On-grid)		
Nominal Input/Output Apparaent Power (VA)	5000	6000
Nominal Input/Output Voltage (V) 230		
Nominal Grid Frequency(Hz)	50/60	
Max.Output/Input Current(A)	21.7	26
THDi	<3%	
Power Factor	0.8 Lead~0.8 Lag	

AC Input and Output (Off-grid)		
Nominal AC Apparaent Power (VA)	5000	6000
Peak Output Apparent Power (VA)	10000,10s	12000,10s
Nominal AC Voltage (V)	230	
Nominal Grid Frequency(Hz)	50/60	
Max.Output Current (A)	21.7	26
THDi	<3%	
Switch time(ms)	10	
Efficiency		
Max.Efficiency	97.5%	
MPPT Efficiency	>95%	
Protection		
Technical Support	SupportedAnti-islanding Protection,Reverse Connection Protection,DC Switch Insulation Impedance,AC Overcurrent/Overvoltage Protection,AC Short Current protection	
Surge Protection	DC TYPE II,AC TYPE II	
General		
Dimension W*H*D(mm)	490*395*200	
Weight(Kg)	21.3	
Operating Temperature(°C)	-20~60	
Relative Humidity	0~95%,no condensation	
Permissible Altitude (m)	4000(>2000m derating)	
IP Rating	IP66	
Noize (dB)	<35	
Communication Interface	RS485/CAN,WIh/4G/LAN,Bluetooth(Optional)	
Display	LCD	
Safety EMC/Certification	EN 61000-6-1/3,IEC62109-1,IEC62109-2	

Application

The DH Single-phase Hybrid Inverter is widely used in residential, agricultural, commercial, and remote area power systems. Its high compatibility and efficient energy management make it an ideal choice for both grid-tied and off-grid systems, particularly in scenarios requiring flexible adaptation to different power inputs. Whether serving as the primary inverter in a solar power system, an auxiliary power source in wind energy systems, or a reliable backup in areas with unstable grid power, this inverter provides stable and dependable energy support.

Shipping Methods

Supports global air and sea shipping



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