



Three Phase Hybrid Inverters For Large Grid Tied And Off Grid Systems

Basic Information

- Place of Origin: China
- Brand Name: DS
- Certification: EN 61000-6-1/3 / IEC 62109-1/ IEC 62109-2
- Model Number: DS-DH3
- Minimum Order Quantity: 8 set
- Price: consult prices online
- Packaging Details: 524*440*220
- Payment Terms: T/T



Three-phase Hybrid Inverter 6/8/10/12KW

Product Specification

- Battery Type: LFP/Lead-acid
- MPPT Voltage Range: 160~1000V
- Nominal Input/Output Apparent Power (On-grid): HYBRID8KTR-EU: 8000 VA
- Nominal AC Apparent Power (Off-grid): HYBRID8KTR-EU: 8000 VA
- Max. Efficiency: All Models: 98.5%
- MPPT Efficiency: All Models: >99%
- IP Rating: All Models: IP66
- Operating Temperature Range: All Models: -20°C To 60°C
- Highlight: **Three Phase Hybrid Inverters, 1000V Hybrid Inverters, 160V Grid Tie Inverters**

Product Description

DH Three-phase Hybrid Inverters The Ideal Choice for Large Grid-tied and Off-grid Systems

Product Description

The DH Three-phase Hybrid Inverter Series (6kW/8kW/10kW/12kW) is a high-efficiency power conversion device designed for medium to large-scale power requirements. This series utilizes advanced power electronics technology to achieve excellent AC/DC and DC/AC conversion efficiency, significantly reducing system energy consumption. Its wide voltage input range allows for compatibility with various battery types and voltages, enhancing system flexibility and adaptability. Additionally, the inverter supports multi-unit parallel operation and system expansion to meet diverse energy needs.

Total 4 Model

Technicle Specifications				
Model	HYBRID6KTR-EU	HYBRID8KTR-EU	HYBRID10KTR	HYBRID12KTR
Battery				
Battery Type	LFP/Lead-acid			
Voltage Range(V)	150~800			
Max.Operating Current(A)	50			
PVInput				
Max.PVInput Power (W)	7500	12000	15000	18000
Max.PVInput Voltage (V)	1100			
MPPT Voktage Range(V)	160~1000			
Start-up Voltage (V)	150			
Number of MPPTs	2/2			
Max.PVInput Current(A)	20			
AC Input and Output (On-grid)				
Nominal Input/Output Apparaent Power(VA)	6000	8000	10000	12000
Nominal Input/Output Voltage (V)	380/400			
Nomina Grid Frequency(Hz)	50/60			
Max.Input/Output Current(A)	13.6	18.2	22.7	27.3
THD	<3%			
Power Factor	0.8Lead~0.8 Lag			
AC Input and Output (Off-gnd)				
Nomina AC Apparaent Power (VA)	6000	8000	10000	12000
Peak Output Apparent Power (VA)	1,200,010	1,600,000	1,600,010	1,600,010
Nominal AC Voltage(V)	380/400			
Nominal Grid Frequency(Hz)	50/60			
Max.Output Current(A)	10	13.3	16.7	20
THD	<3%			
Switch time(ms)	10			

Efficiency	
Max.Efficiency	98.5%
MPPT Efficiency	>99%
Protection	
Technical Support	Supported Anti-islanding Protection,Reverse Connection Protection,DC Switch Insulation Impedance,AC Overcurrent/Overvoltage Protection,AC Short Currentprotection
Surge Protection	DC TYPE III,AC TYPE II
Genera	
Dimension W*H*D(mm)	524*440*220
Weight (Kg)	25
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,WIF/4G/LAN,Bluetooth(Optional)
Display	LCD
Safety EMC/Certification	EN 61000-6-1/3,IEC62109-1,IEC62109-2

Application

The DH Three-phase Hybrid Inverter is widely used in industrial, commercial, and large-scale residential projects. Its high-efficiency energy conversion and flexible scalability make it an ideal choice for large grid-tied and off-grid systems. Whether serving as the main power source in industrial power systems or as a backup power supply in commercial buildings, this inverter provides stable and reliable energy, particularly in scenarios requiring diversified power inputs and high reliability.

Shipping Methods

Supports global air and sea shipping



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