

Off-Grid inverter

HJ-HIO4863S/HJ-HIO4863S-P/
HJ-HIO4863S-L/HJ-HIO4833S-L



Product Introduction

This high-frequency inverter adopts a lightweight design, featuring a full-load output capacity of PF=1 and a 500V high-voltage photovoltaic input, offering higher efficiency and stronger performance. Supports lithium battery activation, parallel expansion, operation with or without batteries, and is compatible with various scenarios. Optional WiFi is available for easy remote monitoring.



lighter weight
with higher efficiency



Parallel function to
expansion power



500V high PV input



Optional WIFI function



Pure sine wave output,
can adapt to different loads



Working with or
without battery



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Technical Specification

Parameter

| Product model | HJ-HIO4863S H-16 | HJ-HIO4863S-P H-17 | HJ-HIO4863S-L H-22 | HJ-HIO4833S-L H-20 |
|-----------------------------------|-------------------------------------------|-----------------------|-----------------------|-----------------------|
| Nominal Voltage | 208/220/230/240VAC | | 220/230/240VAC | |
| Frequency Range | 50Hz/60Hz(Adaptive) | | | |
| Rated Power | 6200W | 6200W | 6200W | 3000W |
| Output Voltage(AC) | 208/220/230/240VAC±5% | | 220/230/240VAC±5% | |
| On / Off grid | YES | YES | YES | YES |
| Output Frequency | 50/60Hz±0.1% | | | |
| Waveform | pure Sine Wave | | | |
| Peak power | 12400VA | 12400VA | 12400VA | 6000VA |
| Rated voltage | 48Vdc | 48Vdc | 48Vdc | 24Vdc |
| PV charging method | MPPT | MPPT | MPPT | MPPT |
| PV max input power | 6200W | 6200W | 7500W | 3000W |
| Max PV input voltage | 500Vdc | 500Vdc | 500Vdc | 500Vdc |
| Max PV charging current | 100A | 100A | 120A | 100A |
| Max AC charging current | 80A | 80A | 100A | 60A |
| Max charging current | 100A | 100A | 120A | 100A |
| LCD display | Operating mode/load/input/output, etc. | | | |
| Parallel interface | No parallel function | No parallel function | No parallel function | No parallel function |
| Operating environment temperature | -10~60℃ | -10~60℃ | -10℃~+50℃ | -10℃~+50℃ |
| Operating environment humidity | 20%~95% (Non condensing) | | | |
| Storage temperature | -15~60℃ | -15~60℃ | -15~60℃ | -15~60℃ |
| Output voltage | / | / | 220/230/240VAC | No grid connection |
| Grid feeding voltage range | / | / | 195-253VA | No grid connection |
| Nominal output current | / | / | 269A | No grid connection |
| Depth×width×height(mm) | 433*330*138 | | | 403*304*114 |
| Standards and certifications | EN-IEC60335-1,EN-IEC60335-2-29,IEC62109-1 | | | |

Application Scenarios

Residential Solar

Cut electricity bills
Backup power during outages
Best for: Homes, eco-conscious owners

Commercial Solar

Lower business energy costs
Reliable power for operations
Best for: Offices, shops, warehouses