

SINGLE PHASE ECO HYBRID INVERTER

JSD 6KHB--D1/LV-ECO



EXCELLENT PERFORMANCE

- Support high power PV panel with 18A PV input current
- Max. battery charge/discharge current of 135A
- Continuous 110% of nominal AC power



HIGH FLEXIBILITY

- Support 40-60V Lithium or Lead-acid battery
- Support generator/smart load/AC coupling
- Max. 6 units parallel



SAFTY & RELIABILITY

- IP65: Indoor or outdoor installation
- Multiple built-in protections
- Compact and lightweight, easy to transport and space-saving



INTELLIGENT FUNCTIONS

- LCD touch color screen, easy to operate
- Intelligent management, support remote monitoring

Model		JSD 6KHB--D1/LV-ECO
Efficiency		
Max. Efficiency (PV to AC)		97.3%
Eur. Efficiency (PV to AC)		96.8%
Max. Efficiency (BAT to AC)		94.3%
Input (PV)		
Max. PV Input Power		9000W
Max. PV Voltage		500V
Start-up Voltage		90V
MPPT Voltage Range		70V-480V
Max. Input Current		18A/18A
Max. Short Circuit Current		25A/25A
Nos. of MPPT		2
String per MPPT		1/1
Input/Output (BAT)		
Battery Type		Lithium-ion/Lead-acid
Nominal Battery Voltage		48V
Battery Voltage Range		40V-60V
Max. Charging/Discharging Current		135A/135A
Max. Charging/Discharging Power		6,600W/6,600W
AC Output		
Nominal Output Power		6,000W
Max. Output Power		6,600VA
Rated AC Output Current		27.3A/26.1A/25.0A
Peak Output Power (1min)		7,200VA
Peak Output Power (10s)		10,000VA
Nominal Output Voltage		220V/230V/240V, L+N+PE
Nominal Output Frequency		50Hz/60Hz
Transfer Time		10ms (typical)
THDV		<3% (@100% R Load)
AC Input		
Max. Input Power From Grid		9,000W
Max. Input Current From Grid		41A
Rated Grid Voltage		220V/230V/240V, L+N+PE
Grid Input Voltage Range		176V-264V
Rated Grid Frequency		50Hz/60Hz
AC Frequency Range		45Hz-55Hz/55Hz-65Hz (Adjustable)
Protection		
Protection Category		Class I
PV Switch		Optional
Anti-islanding Protection		Yes
AC Over Current Protection		Yes
PV/AC Over Voltage Protection		DC Type II, AC Type III
AC Short Circuit Protection		Yes
PV Reverse Protection		Yes
Surge Arrester		DC Type III, AC Type III
General		
Max. Operation Altitude		4000m (>2000m derating)
Protection Degree		IP65
Operating Temperature Range		-25 C ~60 C
Relative Humidity		0~100%
Cooling		Smart Fan Cooling
Mounting		Wall bracket
Dimensions (W*H*D)		367mm*421mm*215mm
Weight		15.5Kg
HMI & COM		
Display		LED+LCD
Communication		RS485/CAN (for BMS), RS485, CAN (for parallel), 1*DO, 1*DI, USB (for Wi-Fi/LAN, optional)
Certification		
Safety		IEC/EN 62109-1&2
EMC		IEC/EN 61000/62920
Warranty		5 Years (Optional)

Remarks: · The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.



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