



Specifications

MODEL	HD-6KT8
Capacity	6000VA / 4800 W
Technology	On-line double conversion, IGBT, protection output transformer
INPUT	
Rated voltage	220 V / 230 V / 240 Vac (selectable)
Voltage range	165V - 285 Vac at 100% load
Frequency range	45 ~ 65Hz
Power factor	≥ 0.98
Total harmonic distortion (THDI)	≤ 3%
Bypass voltage range	- 40% ~ + 15% (selectable)
OUTPUT	
Voltage	220 V / 230 V / 240 Vac (Auto or selectable)
Voltage regulation	± 1%
Frequency	50 / 60 Hz (selectable)
Waveform	Pure sine wave
Crest factor	3:1
Total harmonic distortion (THDV)	≤ 1% (with linear load)
Transfer time	Mains mode to battery mode: 0 ms; Inverter mode to bypass mode: 0 ms
Overload capability	Load ≤ 110% keep Working; 110% load ≥ 20 mins; 125% < load ≤ 135%: 30s
BATTERIES	
DC voltage	192 Vdc
Inbuilt battery	16 × 9 Ah
Recharge time	Standard model : 90% capacity restored in 4 hours;
Battery type	Sealed Lead- Acid ; Maintenance free ; Battery life : ≥ 5 years
Battery test	Automatic battery test; Quick test; Battery capacity test
Backup time	12 mins at 4000W
SYSTEM	
EFFICIENCY	≥ 96%, ECO mode 98%
LCD Display	Operation, bypass, battery, alarm, load level
Alarms	Battery mode, battery voltage low, fans fault etc.
Protection	Automatic shut down (or transfer to bypass, if bypass is available) in case of, Low /high DC voltage - Overtemperature - Overload/short circuit
Processor	Micro processor
EMI	IEC/EN62040-2
EMS	IEC61000-4-2 (ESD); IEC61000-4-3 (RS); IEC61000-4-4 (EFT) IEC 61000-4-6/4-8/4-11; IEC61000-4-5 (Surge)
COMMUNICATIONS	
RS232 (Standard) / USB/RS485 / dry contacts (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10
SNMP (Standard)	Power management from SNMP manager and web browser
OTHERS	
Humidity	20 ~ 90% RH (non-condensing)
Temperature	0°C ~ 40°C; Storage Temperature: -15°C ~ 50°C
Noise level	< 55 dB
Dimensions (W × H × D) (mm)	250 × 500 × 615
Net weight (kg)	64

● All specifications subject to change without notice.
● Custom-made specifications are acceptable.