

Model**KNY5500**

Basic Information

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|----------------------------|-------------------------------------|
| Rated Output Power/Voltage | 5500W / 230Vac(L/N/PE Single-phase) |
| Max.Peak Power | 11000VA |
| Load Capacity of Motors | 4HP |
| Rated AC Frequency | 50Hz/60Hz |
| Waveform | Pure Sine Wave |
| Switch Time | 10ms(typical) |

Battery Parameters

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|-------------------------------------|-----------------------------------|
| Battery Type | Li-ion / Lead-Acid / User-defined |
| Rated Battery Voltage | 48V |
| Voltage Range | 40~60V DC |
| Max.MPPT Charging Current | 100A |
| Max.grid/Generator Charging Current | 60A |
| Max.Hybrid Charging Current | 100A |

PV Input

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|-----------------------------|-------------|
| NO. of MPPT Trackers | 1 |
| Max.PV Array Power | 6000W |
| Max.Input Current | 22A |
| Max.Voltage of Open Circuit | 500V DC |
| MPPT Voltage Range | 120-450V DC |

Utility / Generator Input

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|-------------------------|--|
| Input Voltage Range | UPS mode:170 ~ 280V AC; APL mode: 90 ~ 280V AC |
| Frequency Range | 50/60Hz |
| Bypass Overload Current | 40A |

Efficiency

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|----------------------------------|-------|
| MPPT Tracking Efficiency | 99.9% |
| Max. Battery Inverter Efficiency | >90% |

General Parameters

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|-----------------------------|---------------------------------|
| Dimensions (W*H*D mm) | 322*426*124mm |
| Gross/Net Weight | 12kg/10.29kg |
| Protection Rating | IP20, IndoorOnly |
| Operating Temperature Range | -10°C~55°C |
| Noise | <60dB |
| Cooling Method | Internal Fan |
| Embedded Interfaces | RS485 / CAN / USB / Dry contact |
| External Modules (Optional) | Wi-Fi / GPRS |