10KW-30KW

Technical parameters of bidirectional inverter 10KW-30KW

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| **AC Side parameters** |
| Operation mode |  Continuous |
| AC wiring mode | Three phase four wire |
| Rated output power | 10KW | 20KW | 30KW |
| Output overload capacity | 11KW | 22KW | 33KW |
| **DC Side Parameters** |
| Maximum DC power | 11KW | 22KW | 33KW |
| DC voltage range Vdc | 200-800Vdc | 200-800Vdc | 200-800Vdc |
| Voltage accuracy | ±1% | ±1% | ±1% |
| Steady flow accuracy | ±1% | ±1% | ±1% |
| DC current ripple | <5% IPP | <5% IPP | <5% IPP |
| **On Grid charging and discharging mode**  Constant power |
| Rated grid voltage（AC） | 220V / 380V / 440V | 220V / 380V / 440V | 220V / 380V / 440V |
| Grid voltage range | ±20% | ±20% | ±20% |
| Rated grid frequency | 50Hz / 60Hz | 50Hz / 60Hz | 50Hz / 60Hz |
| Grid frequency range | ±10% | ±10% | ±10% |
| Rated power（THD） | <3% (Standard grid) |
| Power factor  | ≥0.99 ( Rated power) |
| **Independent inverter mode** |
| Rated output voltage（AC） | 220V / 380V / 440V±1% |
| Output voltage distortion | <1% ( resistive load) |
| Rated output frequency | 50Hz / 60Hz ±1% |
| Voltage transition range | <10% (Resistance load 0% <=>100%) |
| Load imbalance | 100% |
| **System Parameters** |
| Max. conversion efficiency | 97% |
| Noise | <60dB |
| Protection Degree | IP21 |
| Working Temperature | －25℃～+45℃ |
| Cooling method |  Air cooling |
| Working humidity | 0～95% |
| Working altitude | ≤6000m, 2000m（Reduced usage for more than 2000m） |
| Emergency stop | Yes (via emergency stop button) |
| Display |  Touch screen |
| Communication mode | RS485、WIFI、GPRS、Ethernet (Modbus protocol) |
| Dimensions  | 690\*275\*770mm  | 690\*275\*770mm  | 690\*275\*770mm  |
| Weight | 42KG | 58KG | 65KG |

\*Above parameter only for reference. Could be custom made to user specifications.

50KW-200KW

Technical parameters of bidirectional inverter 50KW-200KW

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| **AC Side parameters** |
| Operation mode |  Continuous |
| AC wiring mode | Three phase four wire |
| Rated output power | 50KW | 100KW | 200KW |
| Output overload capacity | 55KW | 110KW | 220KW |
| **DC Side Parameters** |
| Maximum DC power | 55KW | 110KW | 220KW |
| DC voltage range Vdc | 200-800Vdc | 400-800Vdc | 400-800V dc |
| Voltage accuracy | ±1% | ±1% | ±1% |
| Steady flow accuracy | ±1% | ±1% | ±1% |
| DC current ripple | <5% IPP | <5% IPP | <5% IPP |
| **On Grid charging and discharging mode**  Constant power |
| Rated grid voltage（AC） | 220V / 380V / 440V | 220V / 380V / 440V | 220V / 380V / 440V |
| Grid voltage range（AC） | ±20% | ±20% | ±20% |
| Rated grid frequency | 50Hz / 60Hz | 50Hz / 60Hz | 50Hz / 60Hz |
| Grid frequency range | ±10% | ±10% | ±10% |
| Rated power（THD） | <3%（Standard grid） |
| Power factor  | ≥0.99 ( Rated power) |
| **Independent inverter mode** |
| Rated output voltage（AC） | 220V / 380V / 440V±1% |
| Output voltage distortion | <3% ( resistive load) |
| Rated output frequency | 50Hz / 60Hz±1% |
| Voltage transition range | <10% (Resistance load 0% <=>100%) |
| Load imbalance | 100% |
| **System Parameters** |
|  Max. conversion efficiency | 95%（ Include isolation transformer） |
|  Noise | <60dB |
|  Protection Degree | IP20 |
|  Working Temperature | －25℃～+45℃ |
| Cooling method |  Air cooling |
| Working humidity | 0～95% |
| Working altitude | ≤6000m, 2000m（Reduced usage for more than 2000m） |
| Emergency stop | Yes (via emergency stop button) |
| Display |  Touch screen |
| Communication mode | RS485、WIFI、GPRS、Ethernet (Modbus protocol) |
| Dimensions  | 750\*600\*1320mm | 1460\*860\*1820mm | 1460\*860\*1820mm |
| Weight | 340KG | 1.4t | 1.6t |

\*Above parameter only for reference. Could be custom made to user specifications.

300KW-1000KW

Technical parameters of bidirectional inverter 300KW-1000KW

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| **AC Side parameters** |
| Operation mode |  Continuous |
| AC wiring mode | Three phase four wire |
| Rated output power | 300KW | 500KW | 1000KW |
| Output overload capacity | 330KW | 550KW | 1100KW |
| **DC voltage range** |
| Maximum DC power | 330KW | 550KW | 1100KW |
| DC voltage range Vdc | 400-800V dc | 600-900V dc | 600-900V dc |
| Voltage accuracy | ±1% | ±1% | ±1% |
| Steady flow accuracy | ±1% | ±1% | ±1% |
| DC current ripple | <5% IPP | <5% IPP | <5% IPP |
| **On Grid charging and discharging mode**  Constant power |
| Rated grid voltage（AC） | 220V / 380V / 440V | 220V / 380V / 440V | 220V / 380V / 440V |
| Grid voltage range（AC） | ±20% | ±20% | ±20% |
| Rated grid frequency | 50Hz / 60Hz | 50Hz / 60Hz | 50Hz / 60Hz |
| Grid frequency range | ±10% | ±10% | ±10% |
| Rated power（THD） | <4%（Standard grid） |
| Power factor  | ≥0.99 ( Rated power) |
| **Independent inverter mode** |
| Rated output voltage（AC） | 220V / 380V / 440V±1% |
| Output voltage distortion | <3% ( resistive load) |
| Rated output frequency | 50Hz / 60Hz ±1% |
| Voltage transition range | <10% (Resistance load 0% <=>100%) |
| Load imbalance | 100% |
| **System Parameters** |
| Max. conversion efficiency | 95%（ Include isolation transformer） |
| Noise | <60dB |
| Protection Degree | IP20 |
| Working Temperature | －25℃～+45℃ |
| Cooling method |  Air cooling |
| Working humidity | 0～95% |
| Working altitude | ≤6000m, 2000m（Reduced usage for more than 2000m） |
| Emergency stop | Yes (via emergency stop button) |
| Display |  Touch screen |
| Communication mode | RS485、WIFI、GPRS、Ethernet (Modbus protocol) |
| Dimensions  | 2010\*1060\*2000mm | 2800\*1200\*2000mm | 4000\*1200\*2000mm |
| Weight | 1.5t | 2.5t | 4t |

\*Above parameter only for reference. Could be custom made to user specifications.