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|-----------------------------|--|-------------------|---------------|--------------------------------------|------------------|---------------|
| Model | YDZ-800W | | | | | |
| Output power | 800W | | | | | |
| Peak power | 1600W | | | | | |
| Input voltage | DC12V | DC24V | DC48V | DC12V | DC24V | DC48V |
| Output voltage | 100VAC or 110VAC or 120VAC $\pm 5\%$ | | | 220VAC or 230VAC or 240VAC $\pm 5\%$ | | |
| No-load current (less-than) | 0.8A | 0.4A | 0.2A | 0.8A | 0.4A | 0.2A |
| Output frequency | 50HZ ± 0.5 HZ or 60HZ ± 0.5 HZ | | | | | |
| Output wave | Pure sine wave | | | | | |
| Waveform Distortion | THD < 3% (linear load) | | | | | |
| USB | 5V 1000MA | | | | | |
| Max. working efficiency | 94.80% | | | | | |
| Input voltage range | 9.55-15.5V | 19.8-30.27V | 40.2-60.4V | 9.55-15.5V | 19.8-30.27V | 40.2-60.4V |
| Operating temperature range | - 10° - +50° | | | | | |
| Storage temperature | - 30° - +70° | | | | | |
| Humidity | Max. 90%, non-condensing | | | | | |
| Warranty | Two years | | | | | |
| Dimensions (W*H*D) | 320*158*78mm | | | | | |
| Package size | 365*200*130mm | | | | | |
| Net weight/Gross weight | 3.1/3.7kg | | | | | |
| Starting | bipolar soft start | | | | | |
| Low voltage alarm | 10.5 ± 0.5 V | 21V ± 0.5 V | 42V ± 1 V | 10.5 ± 0.5 V | 21V ± 0.5 V | 42V ± 1 V |
| Low voltage shut down | 9.5 ± 0.5 V | 20V ± 0.5 V | 40V ± 1 V | 9.5 ± 0.5 V | 20V ± 0.5 V | 40V ± 1 V |
| Low voltage recovery | 13 ± 0.5 V | 24V ± 0.5 V | 48V ± 1 V | 13 ± 0.5 V | 24V ± 0.5 V | 48V ± 1 V |
| Over voltage shut down | 15.5 ± 0.5 V | 31V ± 0.5 V | 61V ± 1 V | 15.5 ± 0.5 V | 31V ± 0.5 V | 61V ± 1 V |
| Over voltage recovery | 14.8 ± 0.5 V | 29.5V ± 0.5 V | 59V ± 1 V | 14.8 ± 0.5 V | 29.5 ± 0.5 V | 59V ± 1 V |
| LED Lights | Blue indicator light (inverter output, normal operation); the red indicator flashes (under / over voltage, overload, temperature, short circuit) | | | | | |
| Protection | Battery over under / over voltage, overload, temperature, AC short circuit protection (positive and negative polarity protection) | | | | | |
| Fuse | DC short circuit protection | | | | | |
| Display | LED high-definition digital display | | | | | |
| Circuit Topology | Frequency link | | | | | |
| Cooling way | Intelligent cooling, built-in cooling block | | | | | |