

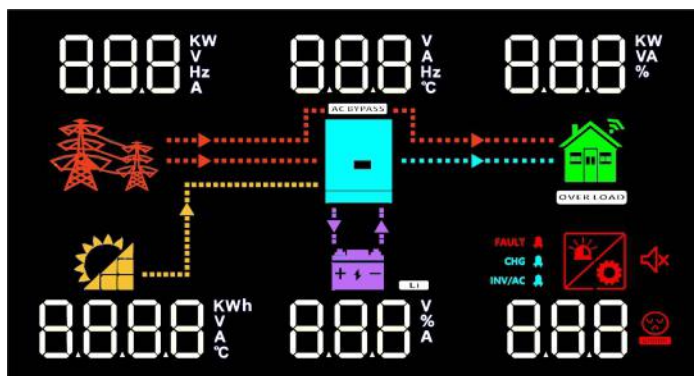
DM Series Solar Inverter



Product features

- Pure sine waves solar inverter (on/off grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-click restoration to factory settings
- Built-in lithium battery automatic activation
- Built-in 160A (for 7.2kW/8.2kW) /180A (for 10.2kW) MPPT solar charger
- High PV input voltage range (90~500VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Touch button

LCD Display



WIFI & GPRS Available for IOS & Android



Mechanical Parameter

| ON/OFF Grid Solar Inverter | | | |
|---|----------------|--------------|----------------|
| Model | DM-7.2kW | DM-8.2kW | DM-10.2kW |
| Phase | 1-Phase | | |
| Maximum PV Input Power | 8200W | 8200W | 10200W |
| Rated Output Power | 7200W/7200VA | 8200W/8200VA | 10200W/10200VA |
| Maximum Solar Charging Current | 160A | 160A | 180A |
| Grid-Tie Operation | | | |
| PV Input (DC) | | | |
| Nominal DC Voltage /Maximum DC Voltage | 360VDC/500VDC | | |
| Start-up Voltage/Initial Feeding Voltage | 90VDC/120VDC | | |
| MPPT Voltage Range | 90VDC~450VDC | | |
| Number of MPPT Trackers/Maximum Input Current | 1/27A | | |
| Grid Output (AC) | | | |
| Nominal Output Voltage | 220/230/240VAC | | |
| Output Voltage Range | 195~253VAC | | |
| Nominal Output Current | 31.3A | 35.6A | 44.3A |
| Power Factor | >0.99 | | |
| Feed-in Grid Frequency Range | 49-51±1Hz | | |
| Efficiency | | | |
| Maximum Conversion Efficiency (DC/AC) | 98% | | |
| Two Load Out Power | | | |
| Full Load | 7200W | 8200W | 10200W |
| Maximum Main Load | 7200W | 8200W | 10200W |
| Maximum Second Load (Battery Mode) | 2400W | 2733W | 3400W |

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| | | | |
|--|----------------------------|--------|--------|
| Main Load Cut Off Voltage | 44VDC | 44VDC | 44VDC |
| Main Load Return Voltage | 48VDC | 48VDC | 48VDC |
| Off- Grid Operation | | | |
| AC Input | | | |
| AC Start-Up Voltage/ Auto Restart Voltage | 120-140VAC/180VAC | | |
| Acceptable Input Voltage Range | 90-280VAC or 170-280VAC | | |
| Maximum AC Input Current | 40A | 40A | 50A |
| Nominal Operation Frequency | 50/60Hz | | |
| Surge Power | 14400W | 16400W | 20400W |
| PV Input (DC) | | | |
| Maximum DC Voltage | 500VDC | | |
| MPPT Voltage Range | 90VDC~450VDC | | |
| Number of MPPT Trackers/ Maximum Input Current | 1/27A | | |
| Battery Mode Output (AC) | | | |
| Nominal Output Voltage | 48VDC | 48VDC | 48VDC |
| Output Waveform | Pure Sine Wave | | |
| Efficiency (DC to AC) | 94% | | |
| Battery & Charger | | | |
| Nominal DC Voltage | 48VDC | 48VDC | 48VDC |
| Maximum Solar Charging Current | 160A | 160A | 180A |
| Maximum AC Charging Current | 140A | 140A | 160A |
| General | | | |
| Physical | | | |
| Dimension, D×W×H(mm) | 420×310×110 | | |
| Cartoon Dimension, D×W×H(mm) | 588×463×205 | | |
| Net Weight(kg) | 14.2 | 14.2 | 14.5 |
| Gross Weight(kg) | 15.7 | 15.7 | 16.0 |
| Interface | | | |
| Communication Port | RS232/WIFI/Remove LCD/GPRS | | |
| Operating Temperature | -10~50°C | | |

Product warranty

- 2 Years Warranty

Product Images

