

Designed for portable power stations and solar generators, this **1000W-1200W bi-directional inverter** features a built-in MPPT and is compatible with 120V/230V AC input. Certified to EMC Class B standards, it boasts an original topology that delivers industry-leading power density and an impressive charging and discharging efficiency of up to 93%. The inverter supports OTA updates. Its multiple circuit protections contribute to a more stable operation of the energy storage system.

MEGMEET BI-DIRECTIONAL INVERTER 1200W

EMC TESTED & CERTIFIED 



APPLICATIONS

Portable Power Stations



Microinverters



Hybrid Inverters

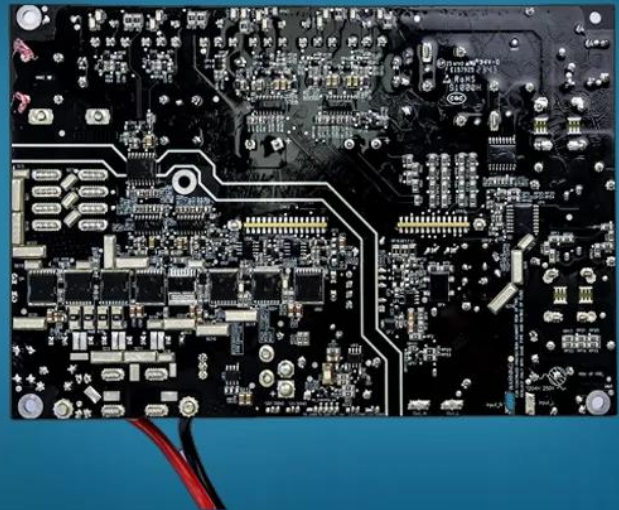


360° SHOWCASE

Top View



Back Side



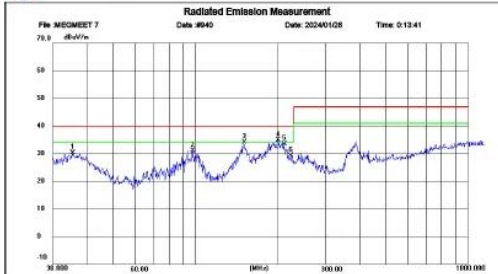
Detailed View



EMC Testing Reports



Shenzhen CTL Testing Technology Co., Ltd
Tel: +86-755-89486194



Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
EUT: /
MN: I0355A
Mode: WORKING
Note: MEGMEET
2RPV 无线电400W+AC无线电1000W

Polarization: Horizontal
Power: /
Distance: 3m
Temperature: 25(C)
Humidity: 50 %

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dBm) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Antenna (dBi) | P/F | Remark |
|-----|-----------------|----------------|--------------|----------------|----------------|-------------|----------|-------------|---------------|-----|--------|
| 1 | 35.4992 | 12.58 | 17.68 | 30.26 | 40.00 | 9.74 | peak | 200 | 173 | P | |
| 2 | 98.1418 | 19.71 | 11.42 | 31.13 | 40.00 | 8.87 | peak | 200 | 13 | P | |
| 3 | 151.0665 | 17.14 | 17.05 | 34.19 | 40.00 | 5.81 | peak | 200 | 344 | P | |
| 4 | 201.3930 | 20.40 | 14.55 | 34.95 | 40.00 | 5.05 | peak | 200 | 2 | P | |
| 5 | 211.5264 | 19.29 | 14.27 | 33.56 | 40.00 | 6.44 | peak | 200 | 162 | P | |
| 6 | 224.5192 | 15.46 | 13.82 | 29.28 | 40.00 | 10.72 | peak | 200 | 151 | P | |

*Maximum data x:Over limit t:over margin

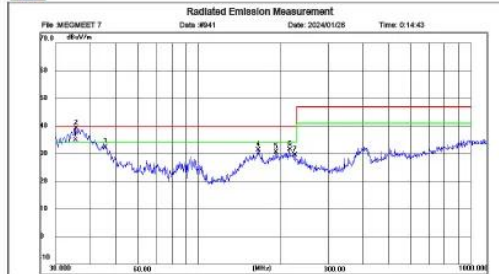
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Engineer Signature: PAN



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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
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Note: MEGMEET
2RPV 无线电400W+AC无线电1000W

Polarization: Vertical
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Temperature: 25(C)
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| No. | Frequency (MHz) | Reading (dBuV) | Factor (dBm) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Antenna (dBi) | P/F | Remark |
|-----|-----------------|----------------|--------------|----------------|----------------|-------------|----------|-------------|---------------|-----|--------|
| 1 | 35.4990 | 17.19 | 17.68 | 34.87 | 40.00 | 5.13 | QP | 100 | 0 | P | |
| 2 | 35.6240 | 21.47 | 17.58 | 39.05 | 40.00 | 0.95 | peak | 100 | 37 | P | |
| 3 | 45.8553 | 20.59 | 12.30 | 32.89 | 40.00 | 7.61 | peak | 100 | 304 | P | |
| 4 | 166.0680 | 15.75 | 15.53 | 31.28 | 40.00 | 6.72 | peak | 100 | 240 | P | |
| 5 | 192.4195 | 16.63 | 13.80 | 30.43 | 40.00 | 9.57 | peak | 100 | 209 | P | |
| 6 | 216.0240 | 17.42 | 14.04 | 31.46 | 40.00 | 8.54 | peak | 100 | 112 | P | |
| 7 | 226.0994 | 15.67 | 13.80 | 29.47 | 40.00 | 10.53 | peak | 100 | 112 | P | |

*Maximum data x:Over limit t:over margin

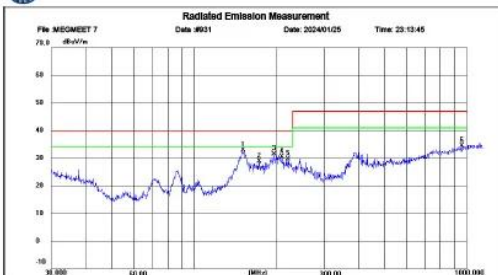
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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
EUT: /
MN: I0355A
Mode: WORKING
Note: MEGMEET
2RAC无线电1000W+AC1200W无线电

Polarization: Horizontal
Power: /
Distance: 3m
Temperature: 25(C)
Humidity: 50 %

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dBm) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Antenna (dBi) | P/F | Remark |
|-----|-----------------|----------------|--------------|----------------|----------------|-------------|----------|-------------|---------------|-----|--------|
| 1 | 151.0665 | 15.81 | 17.05 | 32.86 | 40.00 | 7.14 | peak | 200 | 354 | P | |
| 2 | 173.2050 | 13.92 | 14.95 | 28.87 | 40.00 | 11.13 | peak | 200 | 343 | P | |
| 3 | 196.8219 | 17.17 | 14.24 | 31.41 | 40.00 | 8.59 | peak | 200 | 354 | P | |
| 4 | 210.0481 | 16.10 | 14.34 | 30.44 | 40.00 | 9.56 | peak | 200 | 312 | P | |
| 5 | 220.6171 | 15.83 | 13.96 | 29.79 | 40.00 | 10.21 | peak | 200 | 354 | P | |
| 6 | 958.7943 | 6.47 | 28.01 | 34.48 | 47.00 | 12.52 | peak | 200 | 141 | P | |

*Maximum data x:Over limit t:over margin

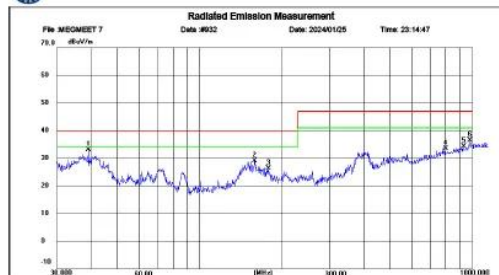
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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
EUT: /
MN: I0355A
Mode: WORKING
Note: MEGMEET
2RAC无线电1000W+AC1200W无线电

Polarization: Vertical
Power: /
Distance: 3m
Temperature: 25(C)
Humidity: 50 %

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dBm) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Antenna (dBi) | P/F | Remark |
|-----|-----------------|----------------|--------------|----------------|----------------|-------------|----------|-------------|---------------|-----|--------|
| 1 | 39.1616 | 16.95 | 16.18 | 33.13 | 40.00 | 6.87 | peak | 100 | 6 | P | |
| 2 | 159.7644 | 13.14 | 15.94 | 29.08 | 40.00 | 10.92 | peak | 100 | 208 | P | |
| 3 | 178.7584 | 11.86 | 14.51 | 26.37 | 40.00 | 13.63 | peak | 100 | 282 | P | |
| 4 | 798.9797 | 7.16 | 26.30 | 33.46 | 47.00 | 13.54 | peak | 100 | 208 | P | |
| 5 | 929.0082 | 6.63 | 27.73 | 34.36 | 47.00 | 12.64 | peak | 100 | 155 | P | |
| 6 | 982.6200 | 7.97 | 28.45 | 36.42 | 47.00 | 10.58 | peak | 100 | 27 | P | |

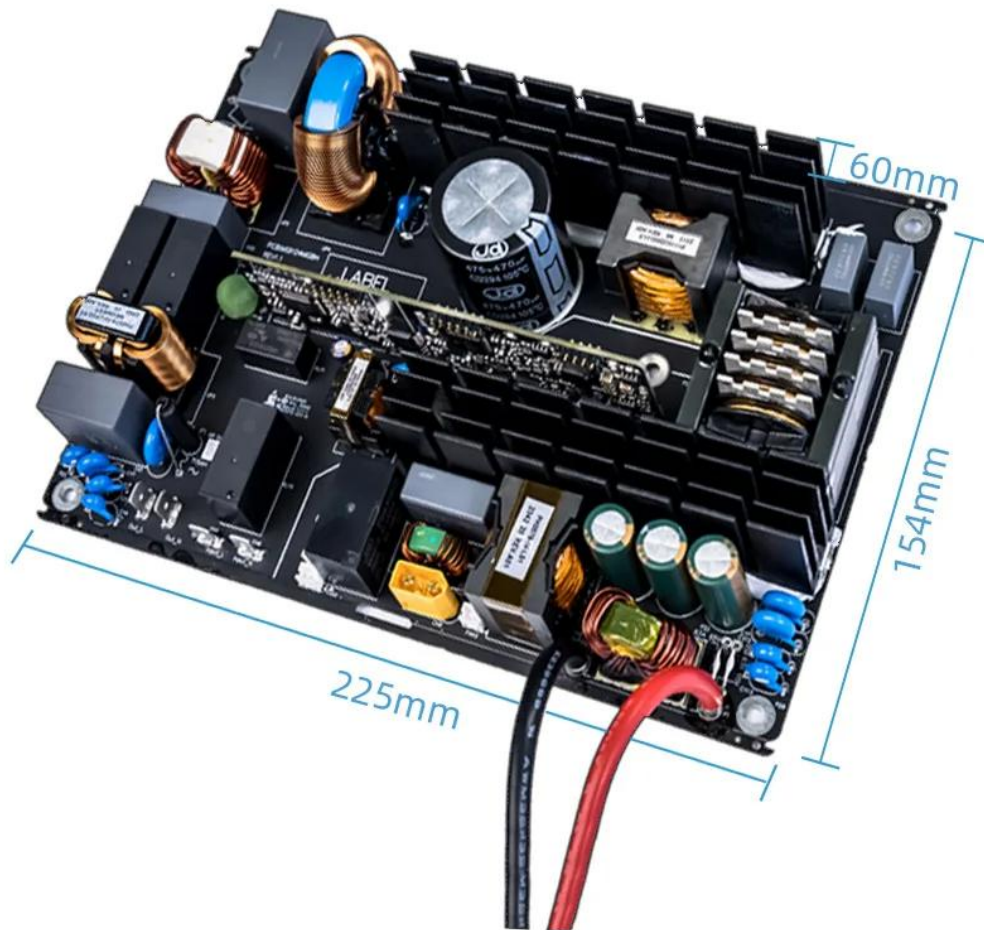
*Maximum data x:Over limit t:over margin

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DIMENSIONS



SPECIFICATIONS

 Model: MGI104MG8L, MGI104MG8H



Battery Voltage

20V - 29.2V or 40V
- 58.2V (8 or 16
LiFePO4 batteries
connected in series)



AC Output
Voltage

110V/230V



AC Output Power

1200W



AC Charging
Power

1200W



PV Input Voltage

12V - 60V



PV Input Power

400W

Company Information



| | |
|---|-------------------------------|
|  | 11 R&D Centers |
|  | 8 Production Plants |
|  | 2400+ R&D Engineers |
|  | 6800+ Employees |
|  | 1500+ Patents |

Shenzhen Megmeet Electrical Co., Ltd. is a high-tech company that focuses on power electronics and industrial control technology and is engaged in the R&D, production, sales and services of hardware, software and system solutions in the field of electrical automation.

Harnessing 20 years of expertise, Megmeet ventured into portable power stations in 2021. Our aim is to become the leading solution provider for renewable energy products, including advanced inverters, control boards, portable power stations, and ESS.

Our Services

OEM/ODM Services



Global Shipment



FAQ

Sample Policy

If the sample is readily available in our inventory, we can dispatch it immediately. However, if it's not in stock, we would require approximately 30 to 35 days to produce a new one. Please note that the customer will be responsible for covering the costs associated with the sample and its shipment.

OEM/ODM Policy

We offer specialized services for OEM & ODM. Customization options are available for the brand name, color, and design. Please note that a minimum order quantity (MOQ) is required for all orders.

Certificates

We have obtained CE, FCC, UL, and PSE certifications for portable power stations, ensuring compliance with import requirements in most countries. However, for certifications in Taiwan and Korea, customers will need to secure these under their own company name.

Delivery Time

The time it takes to deliver our products can vary depending on the destination country. However, on average, you can expect a delivery time of approximately 1 month.

For the shipment of large-capacity batteries, we have established long-term partnerships with forwarders who specialize in this area.

Warranty

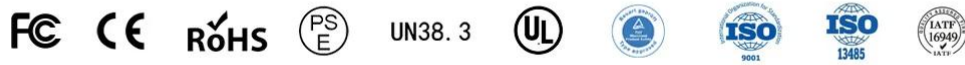
All our products come with a 1-year warranty. In case of common issues, we will provide detailed maintenance instructions and promptly ship the necessary spare parts. Customers can follow our instructions to repair and replace parts on their own. If the issue persists and cannot be resolved within the warranty period, our company will supply a new replacement.

After-sales Services

We offer lifetime technical support online via WhatsApp, WeChat, Facebook, LinkedIn and Email. Should you encounter any issues after delivery, we are available for video calls at any time to assist you.

Exhibition

Certificates



Global Partners



Exhibitions



Testing Centers



Megmeet Advantages

Why Choose MEGMEET



Lower Costs



On-Time Delivery



Consistent Quality



Quality Assurance Procedures



ISO 9001 Certification

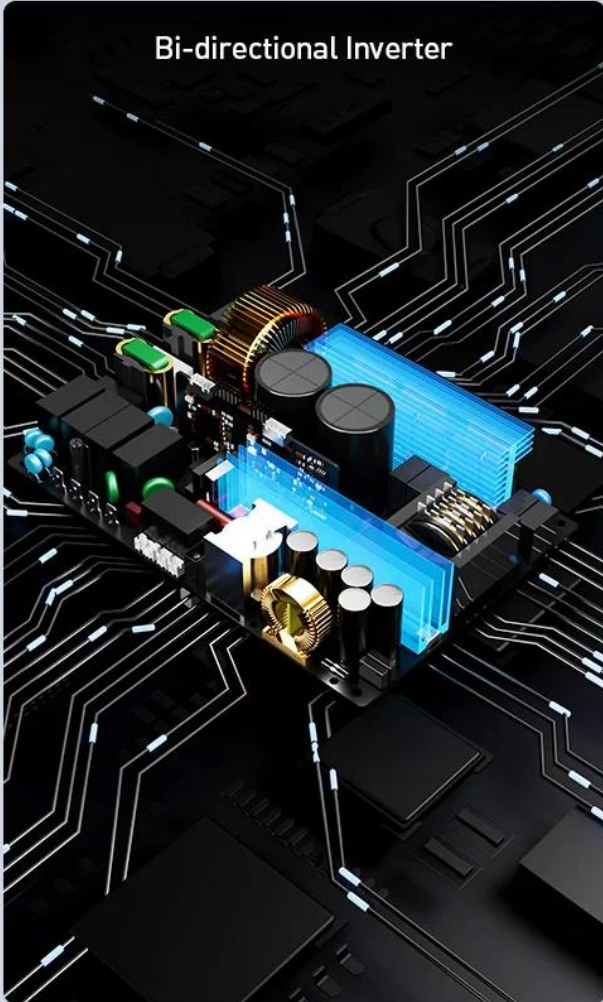


7x24 Tech Support

Core Inverter & Battery Technologies

Global Top 7 OEM Power Supply Manufacturer
with 20+ Years of Expertise

Bi-directional Inverter



Battery Management System



Tier 1 Lithium Batteries



Production Lines



SMT Production Line



Power Supply
Production Line



Function Testing



Assembly Line



Aging Testing



Visual Inspection

Certifications

Certificates



Global Partners



Exhibitions

