

Designed for portable power stations and solar generators, this 1800W-2200W 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.

- Convert DC24V/48V from batteries power into AC100V/110V/120V/220/230/240V power.
- Widely use in household/office, caravan, boat, camping, ambulance, solar project etc.
- Professional manufacturer, OEM/ODM service.
- With perfect protection, super quality components, sufficient power, rational and safety design.



APPLICATIONS

Portable Power Stations



Microinverters



Hybrid Inverters

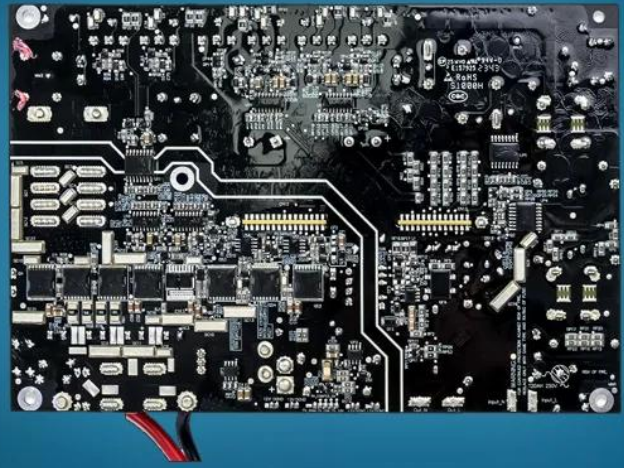


360° SHOWCASE

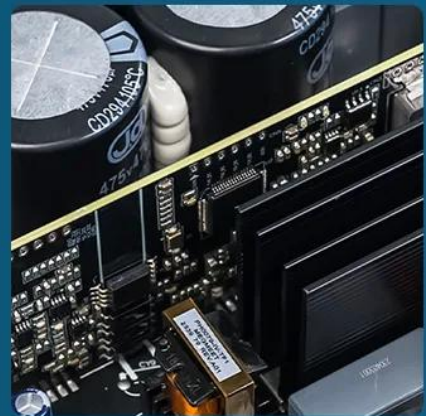
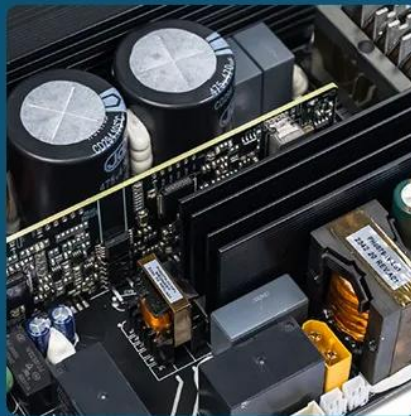
Top View



Back Side



Detailed View



SPECIFICATIONS

 Model: MGI228QZGL, MGI228QZGH



Battery Voltage

40V - 58.2V
(16 LiFePO4
batteries connected
in series)



**AC Output
Voltage**

110V/230V



AC Output Power

1800W - 2200W
(Adjustable by
software)



**AC Charging
Power**

1200W - 1800W
(Adjustable by
software)



PV Input Voltage

12V - 60V



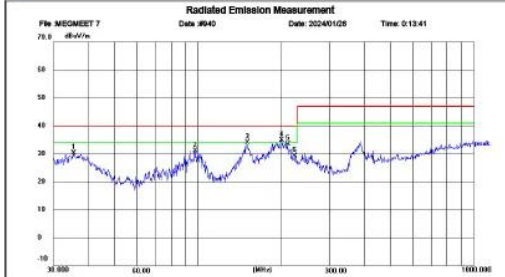
PV Input Power

800W

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: IQ355A
Mode: WORKING
Note: MEGMEET
20PV 另见400W+AC/另见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)	Admsh (Wg.)	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	201.3630	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 !over margin

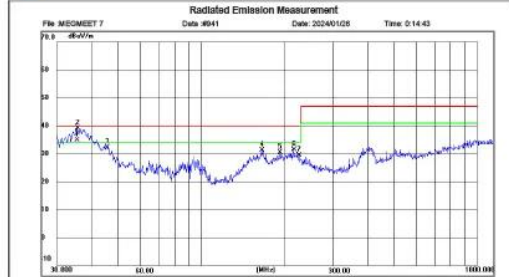
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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
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Mode: WORKING
Note: MEGMEET
20PV 另见400W+AC/另见1000W

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)	Admsh (Wg.)	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	45.6553	20.09	12.30	32.39	40.00	7.61	peak	100	304	P	
4	166.0690	15.75	15.53	31.28	40.00	6.72	peak	100	240	P	
5	192.4186	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 !over margin

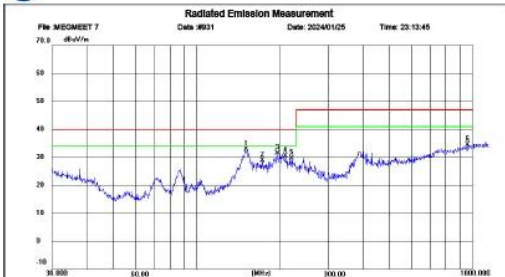
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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
EUT: /
MN: IQ355A
Mode: WORKING
Note: MEGMEET
20AC/另见1000W+AC/200W/另见

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)	Admsh (Wg.)	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	195.6219	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 !over margin

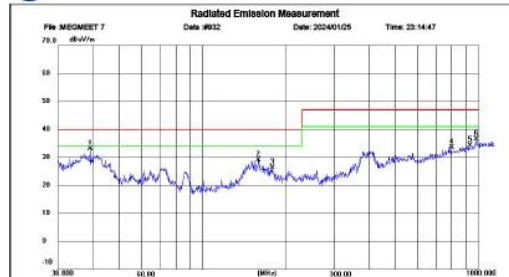
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Site: LAB Chamber 1
Limit: EN55032 RE-Class B 30-1000MHz
EUT: /
MN: IQ355A
Mode: WORKING
Note: MEGMEET
20AC/另见1000W+AC/200W/另见

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)	Admsh (Wg.)	P/F	Remark
1	39.1616	16.95	16.18	33.13	40.00	6.87	peak	100	6	P	
2	159.7844	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	

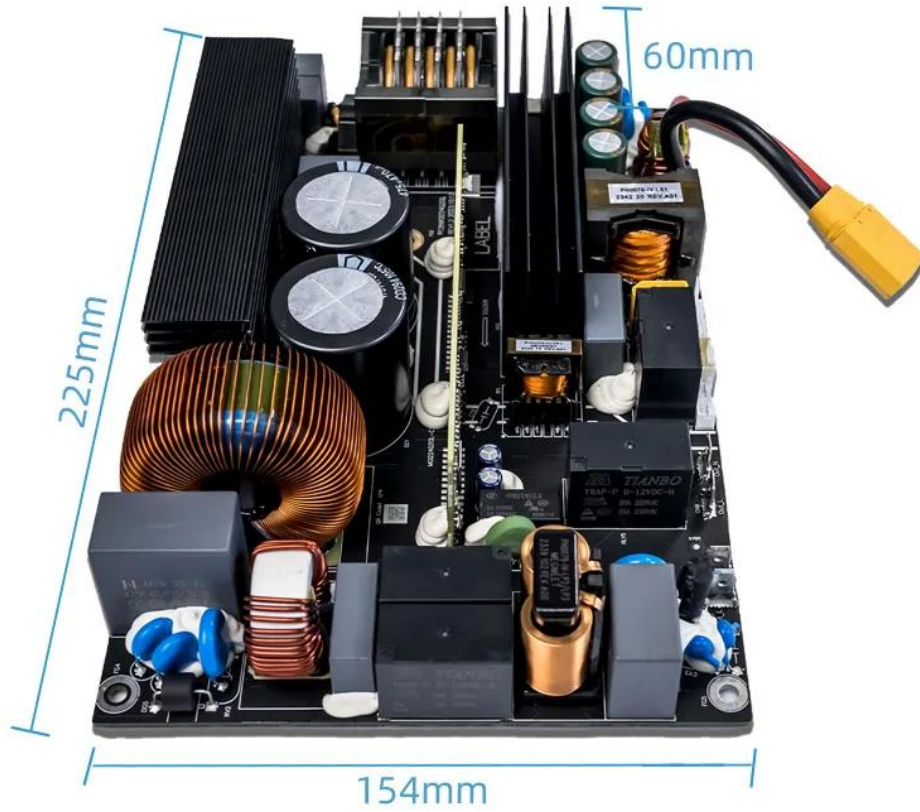
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DIMENSIONS



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

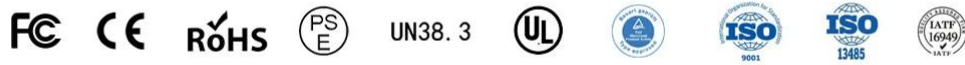
All our products come with a 1-year warranty. In case of common issues, we will provide detailed maintenance instructions and promptly ship the necessary spare parts. Customers can follow our instructions to repair and replace parts on their own. If the issue persists and cannot be resolved within the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

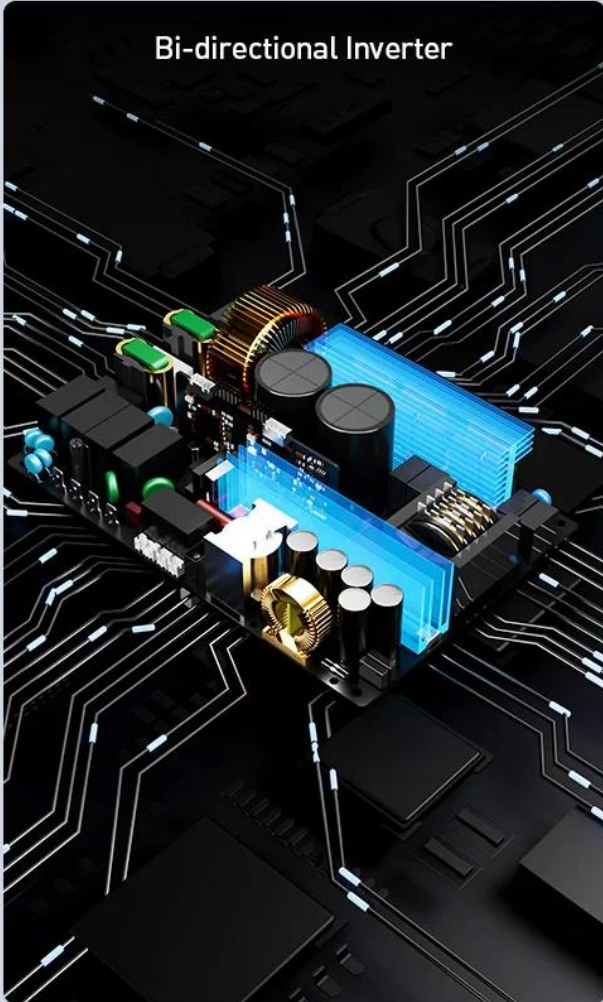


7x24 Tech Support

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



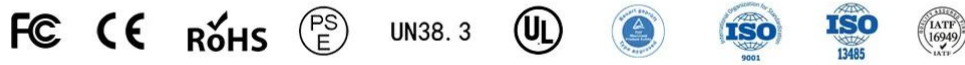
Aging Testing



Visual Inspection

Certifications

Certificates



Global Partners



Exhibitions

