

MINIREX MRT Medium capacity Inverter power supply for Surface treatment

In addition to Standard models
High-efficiency models are also in the lineup



MRT-C

High-efficiency model

Maximum efficiency 95% or more.

Standard model

Significantly more functional
than previous models.



Remote control
(Optional)



MRT-EC

Features

Supports worldwide input voltages

In addition to standard 200-220 VAC, lineup includes 380-440 VAC specifications for overseas use.

High quality and improved accuracy

Constant voltage/constant current accuracy: $\pm 1\%$ max.
Current pulsation rate (commercial ripple): RMS 1% max.
(Relative to the rated value at rated input/output)

Various operation modes are standard

Chopper (pulse) mode:
Pulse output can be set up to a minimum of 10ms.

Current totalization function is standard

Effective for plating solution control and plating film thickness control.

Adopts an option card slot

CC-Link, DeviceNet, RS-485, I/O PORT, isolated amplifier, analog signal (nonisolated)
Flexible support for each option card.

Efficiency Comparison Graph



※Based on our measurements ※Typical example MRT-15010

MRT-C(Standard model) / MRT-EC(High-efficiency model)

Common Specification

Item		Specification										
Input specifications	Input voltage	3-phase AC200 / 220V ±10% or 3-phase AC380 / 400 / 440V ±10%										
	Frequency	50/60Hz										
Output specifications	Output	10V-500A	10V-1000A	10V-1500A	10V-2000A	10V-3000A	15V-500A	15V-1000A	15V-1500A	15V-2000A		
	Input capacity	Model	MRT-C	7.2kVA	13.7kVA	19.5kVA	25.7kVA	38.2kVA	10.2kVA	19.3kVA	28.4kVA	37.4kVA
			MRT-EC	6.9kVA	12.5kVA	18.4kVA	Under development	9.7kVA	18.4kVA	Under development		
	Output range	10% to 100% of rated value (current / voltage)										
	Control method	PWM control switching method										
	Rating / Cooling method	Continuous / Forced air cooling										
	Constant voltage accuracy	Within ±1% of rated DC voltage										
	Constant current accuracy	Within ±1% of rated DC current										
Current ripple factor	RMS 1% or less (relative to rated value at rated input / output)											
Working condition	Location	Indoors										
	Ambient temperature	0-50°C※1										
	Relative humidity	30-85% (with no condensation)										
	Altitude	1000m or below										

※1 Usable by derating when temperature exceeds 40°C ● For details, contact our sales office.

MRT-C

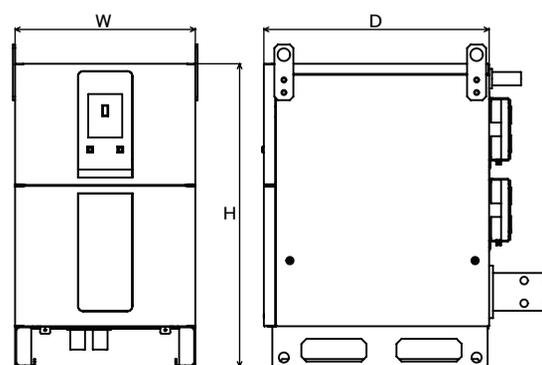
		Unit: mm			
Output voltage	Output current	W	H	D	
10V	500A、1000A、1500A	250	600	450	
	2000A	360	750	570	
	3000A		900		
15V	500A、1000A	250	600	450	
	1500A	360	750	570	
	2000A		900		

MRT-EC

		Unit: mm			
Output voltage	Output current	W	H	D	
10V	500A、1000A、1500A	360	600	450	
15V	500A、1000A				

●The lineup will be expanded sequentially. Please inquire separately for details.

External Dimensions



Attention

Read and understand the entire Operating Manual and your employer's safety practices before installing, or using the equipment. Do not install the equipment in an area where water, high humid, steam, dust or oil are located. It may cause damage to the equipment or result in a fire or electrical shock.

•SanRex, Techno Block, and S-Loop are trademarks or registered trademarks of Sansha Electric Manufacturing Co.,Ltd. •Ethernet is a trademark or a registered trademark of Fuji Xerox Co., Ltd. •The names of products mentioned in this magazine may be used as trademarks of their respective companies. •Please be aware that the replacement cost of serviceable parts (fans, fuses, etc.) will be charged when they are replaced. Please keep all accessories in a safe place. •Please consult with us if you intend to use the product for purposes other than those described in this publication. •These specifications are subject to change without notice for performance improvement.

Sansha Electric Manufacturing Co., Ltd.

<https://www.sansha.co.jp/>



Headquarters / branches / sales offices

Headquarters (International Sales Department)
TEL: +81-6-6325-6621 FAX: +81-6-6325-0503
Tokyo Branch
TEL: +81-3-3834-1700 FAX: +81-3-3834-1702

Chubu Sales Office

TEL: +81-52-955-5600 FAX: +81-52-955-5650
Kyushu Sales Office
TEL: +81-92-431-7586 FAX: +81-92-474-9643
Hokuriku Office
TEL: +81-76-293-1725 FAX: +81-76-293-1881

Plants

Shiga Plant
TEL: +81-77-583-8632 FAX: +81-77-583-5395
Okayama Plant
TEL: +81-868-36-3111 FAX: +81-868-36-3065

Overseas branches

Helsinki Branch (Finland)
TEL: +358-40-1668580 E-mail: info@sanrex.fi
Seoul Branch (Korea)
TEL: +82-2-552-2803 FAX: +82-2-552-8441
Taipei Branch (Taiwan)
TEL: +886-2-2543-5689 FAX: +886-2-2536-7876

Affiliates

SANSHA SOLUTION SERVICE CO., LTD. (Japan)
TEL: +81-6-6321-0616 FAX: +81-6-6321-0618
Service branches: Osaka, Tokyo, Nagoya, Fukuoka
SUWA SANSHA ELECTRIC CO., LTD. (Japan)
TEL: +81-266-82-6600 FAX: +81-266-73-3322
<https://www.suwa.sansha.co.jp/>
OSAKA DENSO INDUSTRY CO.,LTD. (Japan)
TEL: +81-6-6322-4116 FAX: +81-6-6322-3785
<https://osakadenso.jp/>

SANREX CORPORATION (U.S.A.)

TEL: +1-516-625-1313 FAX: +1-516-625-8845
<https://www.sanrex.com/>
SANREX ASIA PACIFIC PTE. LTD. (Singapore)
TEL: +65-6457-8867
<https://www.sanrex.sg/>
SANREX LIMITED (Hong Kong)
TEL: +852-2744-1310 FAX: +852-2785-6009

SANSHA ELECTRIC MFG. (SHANGHAI) CO., LTD. (China)

TEL: +86-21-5868-1058 FAX: +86-21-5868-1056
SANSHA ELECTRIC MFG. (GUANGDONG) CO., LTD. (China)
TEL: +86-757-2733-3688 FAX: +86-757-2783-3547
<http://www.sanrex.cn/>
DONGGUAN EASTERN ELECTRONICS CO., LTD. (China)
TEL: +86-769-8733-8301 FAX: +86-769-8733-8306

Click here for a list of offices

