# RACM3000-M / RDC3000-M Series ◊ AC/DC Power Supply

## 3000W ◊ Input: 100V-240VAC or 400-800VDC

AC/DC Converter

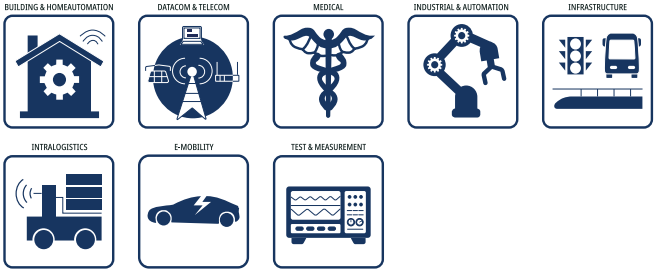
## FEATURES

- 3000W DC-out @ In: 180-264VAC or 400-800VDC
- UL62368 & UL60601; IEC60335 (-2-29)
- 5V/2A standby output
- Active current sharing support; (optional OR-ing FET)
- Intelligent fan speed control
- CAN-BUS programming Output voltage & current
- Semi F47-0706; and medical 2xMOPP grade
- 3 year warranty




Dimensions: 278.1 x 108.8 x 41.0mm (11.8 x 4.3 x 1.6 inch)
2000g typ. (4.4 lbs)

## APPLICATIONS




## SAFETY & EMC

Reach compliant

RoHS² compliant 10 from 10

c UL us E224736

IECEE CB SCHEME

HOUSEHOLD CERTIFIED EN-60335-1

## DESCRIPTION

The RACM3000-M and RDC3000-M series are high-performance 3000W power supplies designed for demanding medical, industrial, and household applications. For high-voltage DC applications, the RDC3000-M variant supports input voltages from 400 to 800VDC. The RACM3000-M operates from 180–264VAC and delivers the full 3000W output power, while providing 1500W output power across a wide input range from 90VAC. With approvals according to UL/IEC 60601 (medical), UL/IEC 62368 (industrial and ICT), and IEC 60335-2-29 (household) standards, the series offers a versatile platform suitable for a broad range of end equipment and power infrastructure. Designed for maximum flexibility, the modules feature output voltage adjustment via analogue potentiometer or CAN bus, a 5V/2A standby output, remote on/off control, remote sense, and a DC-OK signal. Comprehensive CAN bus monitoring and control functions enable advanced system integration and power management. For applications requiring higher power levels, optional OR-ing FETs and active current sharing allow multiple units to operate in parallel safely and efficiently. A built-in temperature-controlled smart fan minimizes audible noise while ensuring reliable thermal performance. Customized features are available on project-demands with Europe made variants.

## SELECTION GUIDE

| Part Number | Operating Input Range [VAC] | Output Voltage Factory Set [VDC] | Output Voltage Range [VDC] | Output Current max. [A] | Efficiency (1) typ. [%] | Output Power continuous [W] |
|---|---|---|---|---|---|---|
| RACM3000-24SM/RF | 90-264 | 24 | 24-28 | 125 | 92.5 | 3000 |
| RACM3000-36SM/RF | 90-264 | 36 | 33-40 | 83.4 | 93 | 3000 |
| RACM3000-48SM/RF | 90-264 | 48 | 42-53.5 | 62.5 | 94 | 3000 |

## SELECTION GUIDE (COMING SOON)

| Part Number | Operating Input Range [VDC] | Output Voltage Factory Set [VDC] | Output Voltage Range [VDC] | Output Current max. [A] | Efficiency (1) typ. [%] | Output Power continuous [W] |
|---|---|---|---|---|---|---|
| RDC3000-48SM/RF | 400-800 | 48 | 42-48 | 62.5 | TBD | 3000 |

Note1: Efficiency is tested at nominal input and rated load at +25°C ambient.

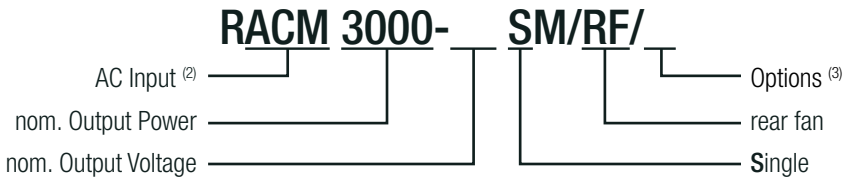
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RECOM AC/DC Converter

## MODEL NUMBERING




Note2: refer to **„Nominal Input Voltage“**

Note3: Options are available on request:

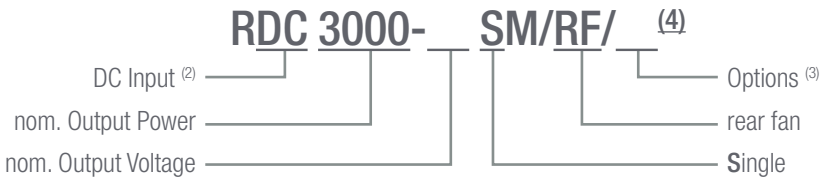
"/OR"= ORing FET integrated

"/LB"= long 2-hole DC-Bar connector

"/LB/OR"= long 2-hole DC-Bar connector, ORing FET

For master commands please refer to link: CAN_Communication.pdf

For customized features please get in touch with your RECOM contact.




Note4: DC input version coming soon

## BASIC CHARACTERISTICS (measured @ $T_{AMB}$= 25°C, nom. $V_{IN}$, full load and after warm-up unless otherwise stated)

| Parameter | Condition | | Min. | Typ. | Max. |
|---|---|---|---|---|---|
| Nominal Input Voltage | RACM3000-M | 50/60Hz | 100VAC | | 240VAC |
| | RDC3000-M | | 400VDC | | 800VDC |
| Operating Range (5) | RACM3000-M | 47-63Hz | 90VAC | | 264VAC |
| | RDC3000-M | | 400VDC | | 800VDC |
| Input Surge Voltage | | | | | 300VAC |
| Input Under Voltage Lockout | | | 80VAC typ., auto restart after fault is removed | | |
| Input Current | 100-240VAC | | | | 18A |
| | 400VDC | | | | 9A |
| | 800VDC | | | | 4.5A |
| Inrush Current | cold start at 25°C | 240VAC, 50Hz | | | 32.8A |
| | | 800VDC | | | 40A |
| No Load Power Consumption | 115VAC | | | | 26W |
| | 230VAC | | | | 12W |
| Standby Power Consumption | main output off, 5VSB output unloaded | 115VAC | | | 7W |
| | | 230VAC | | | 8W |
| Input Frequency Range | AC input | | 47Hz | | 63Hz |
| Minimum Load | | | 0% | | |
| Power Factor | | | 0.99 | | |
| Start-up time | 90VAC | | | 1.2s | 2s |
| | 264VAC | | | 0.9s | |
| Rise time | 90VAC | | | 4ms | 50ms |
| | 264VAC | | | 8ms | 50ms |
| Hold-up time | $T_{AMB}$= 25°C, 230VAC | | 10ms | 15ms | |
| | $T_{AMB}$= -20°C, 230VAC | | 10ms | 14ms | |
| Output Ripple and Noise (6) | 20MHz BW | | | | 1% of Vout |

Note5: The products were submitted to all safety files at AC-operation (90-264VAC).

Note6: Measurements are made with a 0.1µF MLCC & 100µF E-cap in parallel across output (low ESR).
The test setup can have an impact on ripple noise values (placement of scope probe, capacitors, it's specifications, wires, PCB tracks, distances, etc.)

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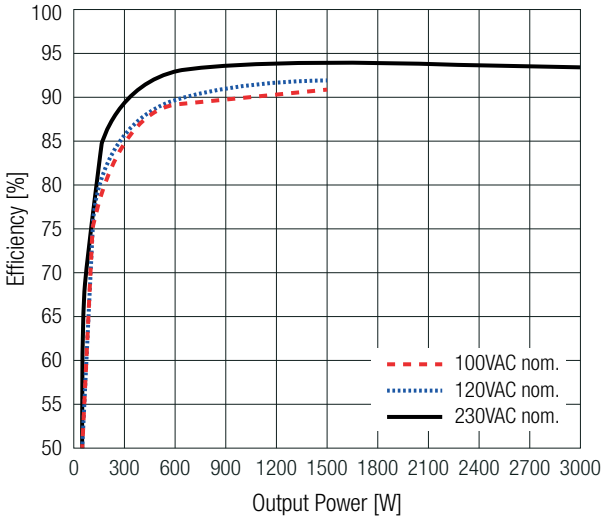
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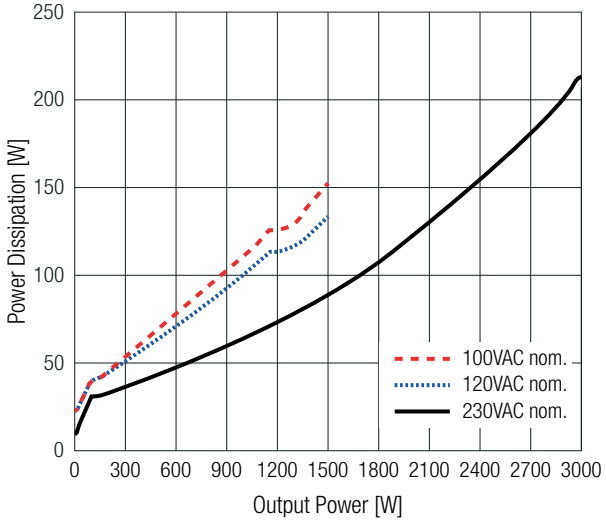
RECOM AC/DC Converter

## BASIC CHARACTERISTICS (measured @ $T_{AMB}$= 25°C, nom. $V_{IN}$, full load and after warm-up unless otherwise stated)

Efficiency vs Output Power




Power Dissipation vs. Output Power




## ADDITIONAL FEATURES

| Parameter | Condition | | Min. | Typ. | Max. |
|---|---|---|---|---|---|
| 5VSB Stand By Output Voltage | always on | | | | 5VDC |
| 5VSB Stand By Output Current | | | | | 2A |
| Output Voltage Adjustability [7] | potentiometer | RACM3000-24SM/RF | 24VDC | | 28VDC |
| | | RACM3000-36SM/RF | 33VDC | | 40VDC |
| | | RACM3000-48SM/RF | 42VDC | | 53.5VDC |
| Remote ON/OFF | | | | | **„Remote ON/OFF“** |
| **„Remote Sense“** | differential mode, cable loss compensation | | | | 500mV |
| DC_OK Signal | | | | | refer to **„DC_OK Signal“** |
| Current Share | | | | | refer to **„INSTALLATION & APPLICATION“** |
| LED Indication | green | | | | DC_OK |
| | alternating green/red | | | | 80% <Load |
| | flash green | | | | Short Circuit |
| | flash red | | | | Over Temperature |
| | red | | | | Over Voltage |

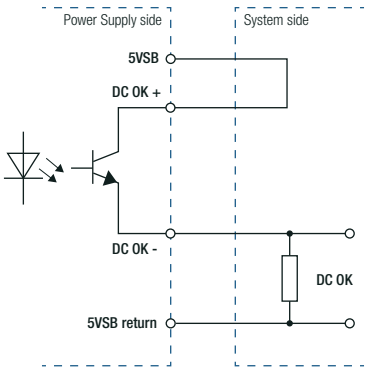
Note7: By trimming up, decrease output current to avoid exceeding rated output power. By trimming down, do not exceed maximum continuous output current. Switch the potentiometer clockwise to increase the output voltage, switch the potentiometer counterclockwise to decrease the output voltage.

### Output Voltage Adjustability

The power supply provides a potentiometer for user to adjust the output voltage. Switch the potentiometer clockwise to increase the output voltage, switch the potentiometer counterclockwise to decrease the output voltage. Please reference to Output Specification for the output voltage range which user shall trim the voltage within. When the output is adjusted below nominal value, the maximum output current is the same as the nominal output, when the output is adjusted above nominal value, the output power cannot exceed the nominal maximum power (the maximum output current used should be reduced accordingly).

### DC_OK Signal

DC_OK Signal is designed to indicate the main DC output status. When DC output is present, DC_OK Signal (Shown in below figure) generated will be high. When DC output is off, the internal transistor will be turned off. When AC input is off, there will be a minimum of 5 milliseconds between the time the DC_OK internal transistor turns off, and the time when the output reaches 90% of its rated value.

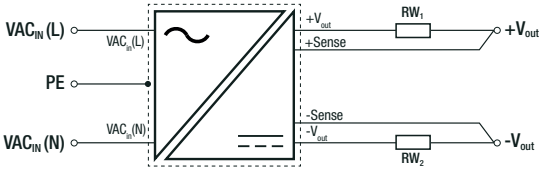



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## ADDITIONAL FEATURES

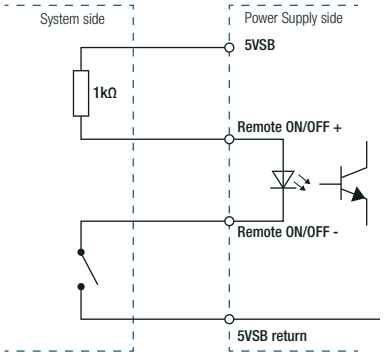
### Remote Sense

Remote sense features can be used to compensate for the extra voltage drop on output wires that are connected from the main output terminals to the load. With wires connected from the remote sense pins, at the same locations as the wires from the main output, the remote sense function can compensate up to 500mV voltage drop.




### Remote ON/OFF

Remote ON/OFF input can be used to turn off or turn on the power supply main output.
The output ON/OFF can be controlled by conducting an isolated diode located within the power supply. When the main output is disabled, the +5V Standby output will continue to operate. System can use a switch to conduct through this diode (suggested pull up resistor to 5V standby with 1kΩ resistor) to disable the main out. The signal can be floated (no connection to the signal), in order to enable the main output.




## REGULATIONS (measured @ $T_{AMB}$= 25°C, nom. $V_{IN}$, full load and after warm-up unless otherwise stated)

| Parameter | Condition | Value |
|---|---|---|
| Output Accuracy | MAIN, factory set-point | ±0.5% typ. |
| | AUX | ±250mV typ. |
| Line Regulation | 25°C, full load | 0.046% typ. |
| | full load, full temperature range | 0.1% typ / 3.0% max. |
| | -20°C, full load | 0.078% typ. |
| Load Regulation | | 1.0% typ / 3.0% max. |
| Transient Response Voltage/Current | 5-55% load | 0.6V typ. / 5V max. |
| | 50-100% load | 1V typ. / 5V max. |

## PROTECTIONS (measured @ $T_{AMB}$= 25°C, nom. $V_{IN}$, full load and after warm-up unless otherwise stated)

| Parameter | Type | | Value |
|---|---|---|---|
| Short Circuit Protection (SCP) | below 100mΩ | | auto recovery |
| Over Voltage Protection (OVP) | | | 130%, latch off |
| Over Voltage Category (OVC) | | | OVC II (5000m) |
| Over Current Protection (OCP) | 115VAC ($P_{OUT}$: 1500W) | | 125%, auto recovery |
| | 230VAC | | 125% - 137%, auto recovery |
| | AUX | | 2.5A, auto recovery |
| Over Temperature Protection (OTP) | | | latch off |
| Class of Equipment | with PE | | Class I |
| Isolation Voltage [8] | I/P to O/P | according to 60601-1 | 4kVAC |
| | | according to 60335-2-29 | 3kVAC |
| | | according to 62386-1 | 4.2kVDC |
| Isolation Resistance | I/P to O/P, $V_{ISO}$ = 500VDC | | 1GΩ min. |
| Isolation Capacitance | I/P to O/P, 100kHz/0.1V | | 100pF max. |
| Insulation Grade | I/P to O/P | | reinforced |
| Means of Protection | I/P to O/P | | 2MOPP |
| Medical Device Classification | built-in power supply | | designed to support type BF applications |
| Touch Current | 264VAC/63Hz | normal condition | <100µA |
| | | single fault | <500µA |
| Earth Leakage Current | normal condition & single fault | | <500µA |

Note8: For repeat Hi-Pot testing, reduce the time and/or the test voltage.

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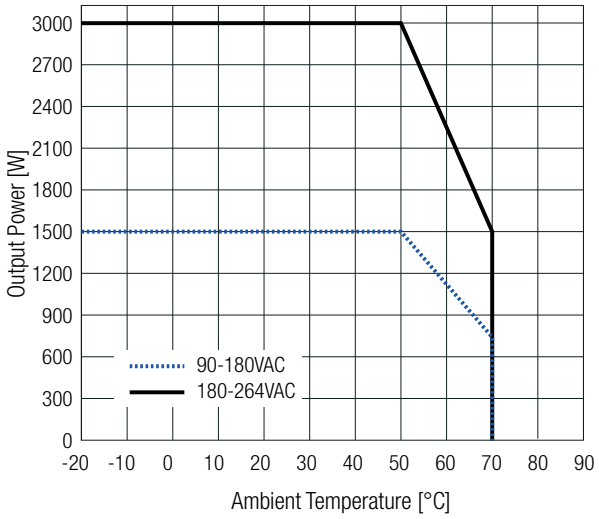
## ENVIRONMENTAL (measured @ $T_{AMB}$= 25°C, nom. $V_{IN}$, full load and after warm-up unless otherwise stated)

| Parameter | Condition | Value |
|---|---|---|
| Operating Ambient Temperature Range | @ natural convection (0.1m/s), refer to **„Derating Graph“** | -20°C to +70°C |
| Operating Altitude [9] | | 5000m |
| Operating Humidity | non-condensing | 90% RH max. |
| Pollution Degree | | PD2 |
| Shock | with package | 196m/s² |
| Vibration | 10-55Hz (1 min sweep). 1 hour for each axis, with package | 19.6m/s² |
| MTBF | Telcordia SR-332, 115VAC, 25°C | 500 x 103 hours |
| Design Lifetime | | 43.8 x 103 hours |
| FAN Audible Noise | 80% load, 1m distance | 45dB |

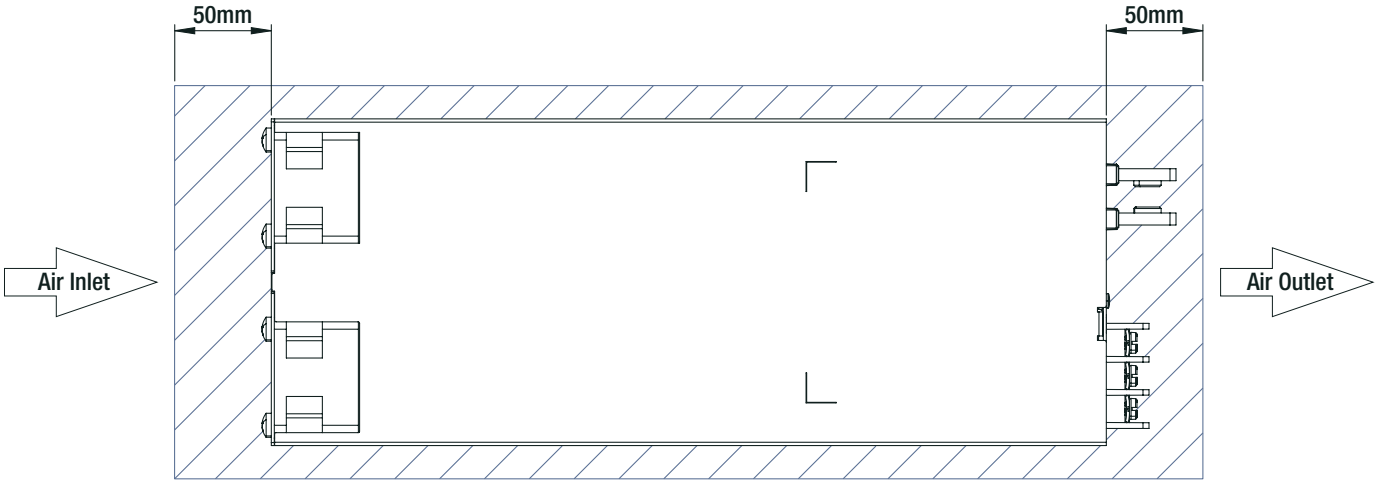
Note9: Recognized by safety agency for safe operation up to 5000m. High altitude operation may impact the performance and lifetime. Please contact RECOM tech support for advice.

### Derating Graph

no external airflow, head dissipation controlled by internal smart-fan




### Ventilation Direction




The RACM3000-M models are force-cooled by integrated fans. The air inlet and outlet must not be obstructed. Ensure a minimum clearance of 50 mm between any obstruction and both the air inlet and air outlet of the power supply.

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## SAFETY & CERTIFICATIONS

| Certificate Type (Safety) | Report Number | Standard |
|---|---|---|
| Audio/Video, information and communication technology equipment - Part1: Safety requirements 3rd Edition | E224736 | UL62368-1:2019 3rd Edition |
| | | CAN/CSA-C22.2 No. 62368-1-19 3rd Edition |
| Medical electrical equipment Part 1: General requirements for basic safety and essential performance | E314885 | ANSI/AAMI ES60601-1:2005 + A2:2010 |
| | | CAN/CSA-C22.2 No. 60601-1:14 3rd Edition |
| Medical electrical equipment Part 1: General requirements for basic safety and essential performance | E314885-D6004-CB-1 | IEC60601-1:2005 + AM2:2020 Edition 3.2 |
| | | EN60601-1:2006 + A13:2024 |
| Household and similar electrical appliances – Safety – Part 1: General requirements | 4792072808.2 | IEC60335-1:2010 + A2:2016 5th Edition |
| | | EN60335-1:2012+A15:2021 |
| Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers | 4792072808.2 | IEC60335-2-29:2016 + A1:2019 |
| | | EN60335-2-29:2021 + A11:2024 |
| Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure | 4792072808.2 | EN62233:2008 |
| RoHS2 | | RoHS-2011/65/EU + AM-2015/863 |
| | | |
| **EMC Compliance according to EN55032** | **Condition** | **Standard** |
| Electromagnetic compatibility of multimedia equipment – Emission Requirements | | EN55032:2015 + A11:2020 |
| **EMC Compliance according to EN61204-3** | **Condition** | **Standard** |
| Low voltage power supplies, d.c. output Part 3: Electromagnetic compatibility (EMC) | CN2600UW-001 | EN/IEC 61204-3:2018 |
| ESD Electrostatic discharge immunity test | Air: ±8, 15kV<br>Contact: ±4, 8kV | IEC61000-4-2, Criteria A |
| Radiated, radio-frequency, electromagnetic field immunity test | 10V/m (80-1000MHz)<br>3V/m (1400-2000MHz)<br>1V/m (2000-2700MHz) | IEC61000-4-3, Criteria A |
| Fast Transient and Burst Immunity | AC Port: 2kV | IEC61000-4-4, Criteria A |
| Surge Immunity | L-N: ±0.5, 1kV<br>L (N)-PE: ±0.5, 1kV, 2kV | IEC61000-4-5, Criteria A |
| Immunity to conducted disturbances, induced by radio-frequency fields | 10Vrms (0.15-80MHz) | IEC61000-4-6, Criteria A |
| Power Magnetic Field Immunity | 30A/m | IEC61000-4-8, Criteria A |
| Voltage Dips and Interruptions | Dips: 100% (0.5P, 1.0P)<br>60%, 30% or 20%<br>Interruptions:100% | IEC61000-4-11, Criteria B<br>IEC61000-4-11, Criteria C<br>IEC61000-4-11, Criteria C |
| Limits of Harmonic Current Emissions | | IEC61000-3-2:2014 |
| Limits of Voltage Fluctuations & Flicker | | IEC61000-3-3:2013 + A2:2021 |
| **EMC Compliance according to EN60601-1** | **Condition** | **Standard** |
| Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance | | IEC60601-1-2:2014 + A1:2020 Edition 4.1 |
| ESD Electrostatic discharge immunity test | Air: ±2, 4, 8, 15kV<br>Contact: ±8kV | IEC61000-4-2:2008 |
| Radiated, radio-frequency, electromagnetic field immunity test | 10 V/m (80-2700MHz),<br>27V/m (385MHz),<br>28V/m (450MHz),<br>9V/m (710, 745, 780MHz),<br>28V/m (810, 870, 930MHz),<br>28V/m (1720, 1845, 1970MHz),<br>28V/m (2450MHz),<br>9V/m (5240, 5500, 5785MHz) | IEC61000-4-3:2006 + A2:2010 |
| Fast Transient and Burst Immunity | AC Port: 2kV | IEC61000-4-4:2012 |
| Surge Immunity | L-N: ±0.5, 1kV<br>L (N)-PE: ±0.5, 1kV, 2kV | IEC61000-4-5:2014 + A1:2017 |
| Immunity to conducted disturbances, induced by radio-frequency fields | 10Vrms (0.15-80MHz)<br>6Vrms (IMS bands) | IEC61000-4-6:2013 |
| Power Magnetic Field Immunity | 30A/m | IEC61000-4-8:2009 |

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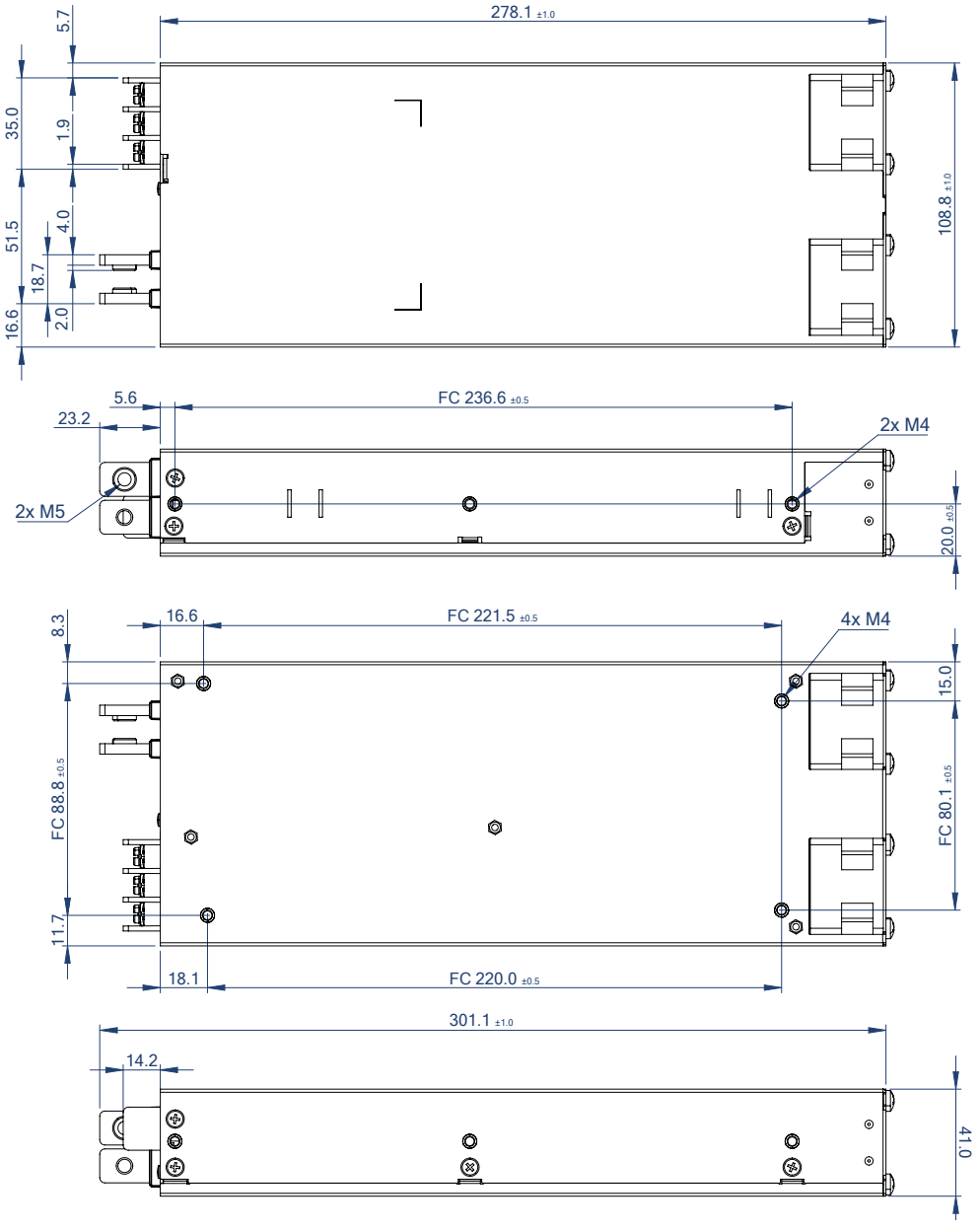
## SAFETY & CERTIFICATIONS

| EMC Compliance according to EN60601-1 | Condition | Standard |
|---|---|---|
| Voltage Dips and Interruptions | Dips: 100% (0.5P, 1.0P)<br>30%<br>Interruptions:100% | IEC61000-4-11:2004+A1:2017 |
| Limits of Harmonic Current Emissions | | IEC61000-3-2:2018 + A1:2020 |
| Limits of Voltage Fluctuations & Flicker | | IEC61000-3-3:2013 + A2:2021 |

## DIMENSION & PHYSICAL CHARACTERISTICS

| Parameter | Type | Value |
|---|---|---|
| Materials | PCB | FR4, (UL94-V0) |
| | chassis | aluminum |
| Dimension (LxWxH) | without connectors | 278.1 x 108.8 x 41.0mm<br>11.8 x 4.3 x 1.6 inch |
| Weight | | 2000g typ.<br>4.4 lbs |

### Dimension Drawing version (mm)




Tolerance: xx.x= ±0.5mm
xx.xx= ±0.25mm

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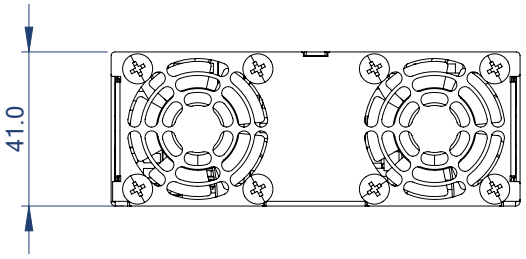
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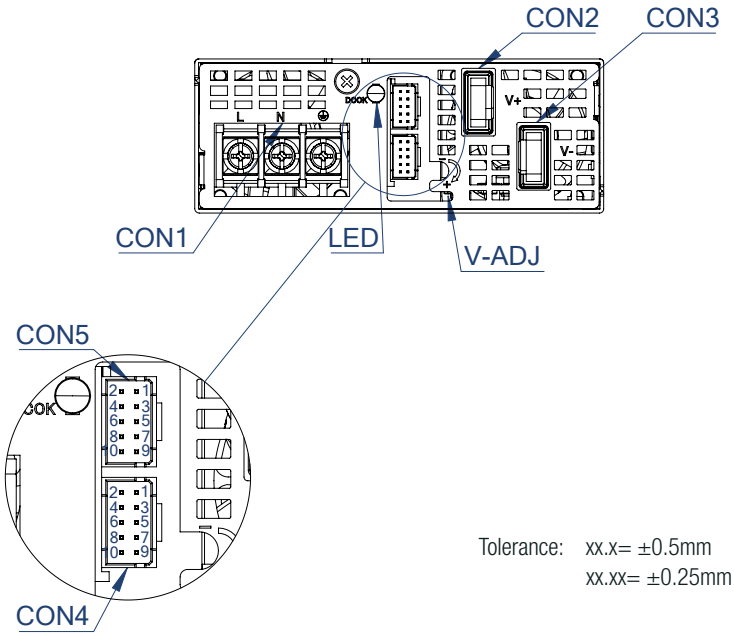
3000W ◊ Input: 100V-240VAC or 400-800VDC

AC/DC Converter

## DIMENSION & PHYSICAL CHARACTERISTICS

### Dimension Drawing version (mm)




Tolerance: xx.x= ±0.5mm
xx.xx= ±0.25mm

| AC Input (CON1) | | |
|---|---|---|
| # | Function | Screw Terminal |
| 1 | VAC in (L) | M4 Screw Type Terminal Connector |
| 2 | VAC in (N) | |
| 3 | PE | |
| max. tightening torque: 1.0Nm | | |

| DC Output (CON2, CON3) | | |
|---|---|---|
| # | Function | Terminal |
| 4 | -Vout | bushing: Brass, M5 x 0.8-6H thread, nickel plating ≥8μm, torque ≥5Nm |
| 5 | +Vout | |
| max. tightening torque: 3.4Nm | | |

Note11: The length of the signal cables is limited to a maximum of 3 meter.

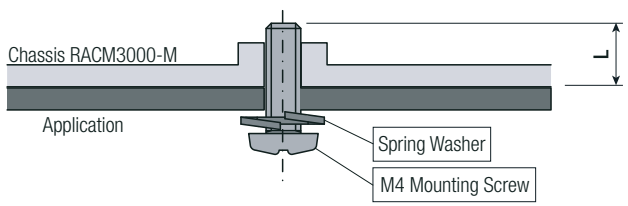
| Control Connector (CON4) | | |
|---|---|---|
| # | Function | Connector |
| 1 | Current share | Mating with CJT connector A2008H -2X5P or equivalent |
| 2 | Output return | |
| 3 | Remote sense+ | |
| 4 | Remote sense- | |
| 5 | Reserve no connection | |
| 6 | Reserve no connection | |
| 7 | 5VSB | |
| 8 | 5VSB | |
| 9 | 5VSB return | |
| 10 | 5VSB return | |

| Control Connector (CON5) | | |
|---|---|---|
| # | Function | Connector |
| 1 | DC_OK- | Mating with CJT connector A2008H -2X5P or equivalent |
| 2 | DC_OK+ | |
| 3 | Remote ON/OFF- | |
| 4 | Remote ON/OFF+ | |
| 5 | Reserve no connection | |
| 6 | Reserve no connection | |
| 7 | CAN_L | |
| 8 | CAN_H | |
| 9 | CAN_5V+ | |
| 10 | CAN_5V return | |

For master commands please refer to link: CAN_Communication.pdf

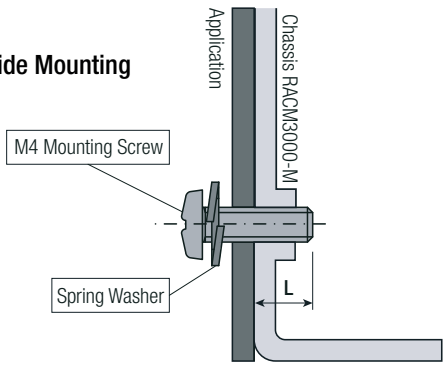
## MOUNTING EQUIPMENT

### Baseplate Mounting




Maximum tightening torque= 10 kgf·cm (0.98Nm)
L= 3mm max.

### Side Mounting



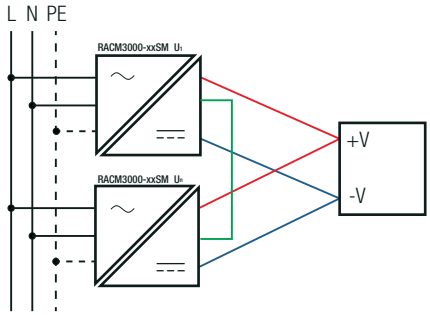

Maximum tightening torque= 10 kgf·cm (0.98Nm)
L= 4mm max.

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## INSTALLATION & APPLICATION

### Parallel operation for increasing output power 1+n

Up to 4 identical power supplies can be connected in parallel to increase the available output current. The Current Share connection helps distribute the load current evenly between the units. This configuration is suitable when the load demand exceeds the capacity of a single power supply.




**The green line** connects the Current Share pins (CON4 / Pin 1) of both power supplies. This connection allows the two units to communicate with each other and balance the load current between them.

**The blue line** connects the negative DC output terminals of both power supplies, CON3 / Pin 4 (-Vout), and then connects them to the negative terminal of the load.

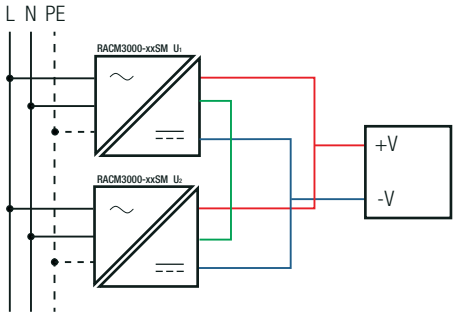
**The red line** connects the positive DC output terminals of both power supplies, CON2 / Pin 5 (+Vout), and then connects them to the positive terminal of the load.

With this configuration, both power supplies operate in parallel and supply the connected load together, while the Current Share connection helps ensure that the output current is distributed as evenly as possible between the two units.

1) Connect the Current Share pins (CON4, Pin 1) of all modules together. This allows the PSUs to automatically balance the output current between them.
2) Adjust each power supply to the exact same output voltage with same load and cooling conditions.
3) Use the same wire length and cable cross-section for each PSU (star connection) and energize all units at the same time to avoid triggering overload protection.
4) A 10% safety margin may be recommended because the power distribution may be slightly asymmetrical depending on the cabling.
5) **ATTENTION:** To prevent high reverse currents in the event of a secondary output fault, it is recommended to install a protective circuit at the output of each device when more than two power supplies are connected in parallel (e.g. decoupling diode or DC fuse). Leakage current, EMI, inrush current, harmonics will increase when using multiple power supplies.

### Parallel operation for redundancy 1+1

Redundant circuits are suitable for applications with high requirements for operational reliability. For 1+1 redundancy, two power supplies of the same type, power class, and configuration must be used. Each power supply must be capable of supplying the full required load in the event of a failure. During normal operation, both power supplies operate in parallel and each carries up to 50% of the load.




**The green line** connects the Current Share pins (CON4 / Pin 1) of both power supplies. This connection allows the two units to communicate with each other and balance the load current between them.

**The blue line** connects the negative DC output terminals of both power supplies, CON3 / Pin 4 (-Vout), and then connects them to the negative terminal of the load.

**The red line** connects the positive DC output terminals of both power supplies, CON2 / Pin 5 (+Vout), and then connects them to the positive terminal of the load.

With this configuration, both power supplies operate in parallel and supply the connected load together, while the Current Share connection helps ensure that the output current is distributed as evenly as possible between the two units.

1) Adjust each power supply to the exact same output voltage with same load and cooling conditions.
2) Use the same wire length and cable cross-section for each PSU (star connection) and energize all units at the same time to avoid triggering overload protection.
3) It must be ensured that one of the power supply is able to provide the total required output power of the DC load to be supplied.
4) In normal operation, each of the two power supplies will be utilized by up to 50%.
5) **ATTENTION:** To prevent high reverse currents in the event of a secondary output fault, it is recommended to install a protective circuit at the output of each device when more than two power supplies are connected in parallel (e.g. decoupling diode or DC fuse).
   Leakage current, EMI, inrush current, harmonics will increase when using multiple power supplies.

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# RACM3000-M / RDC3000-M Series ◊ AC/DC Power Supply

3000W ◊ Input: 100V-240VAC or 400-800VDC

## INSTALLATION & APPLICATION

### Series Operation

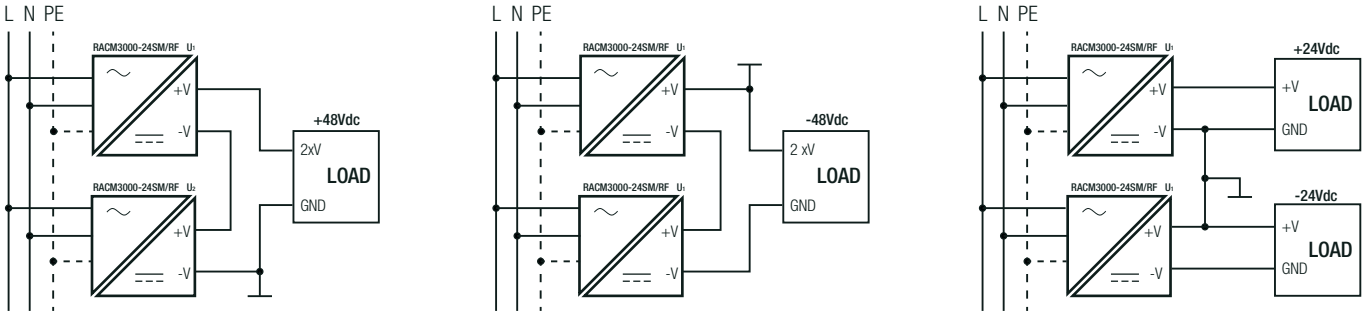
1) Only use PSU with the same type and performance class with identical parameters.

2) To increase the DC output voltage, connect 2 or more power supply units in series.

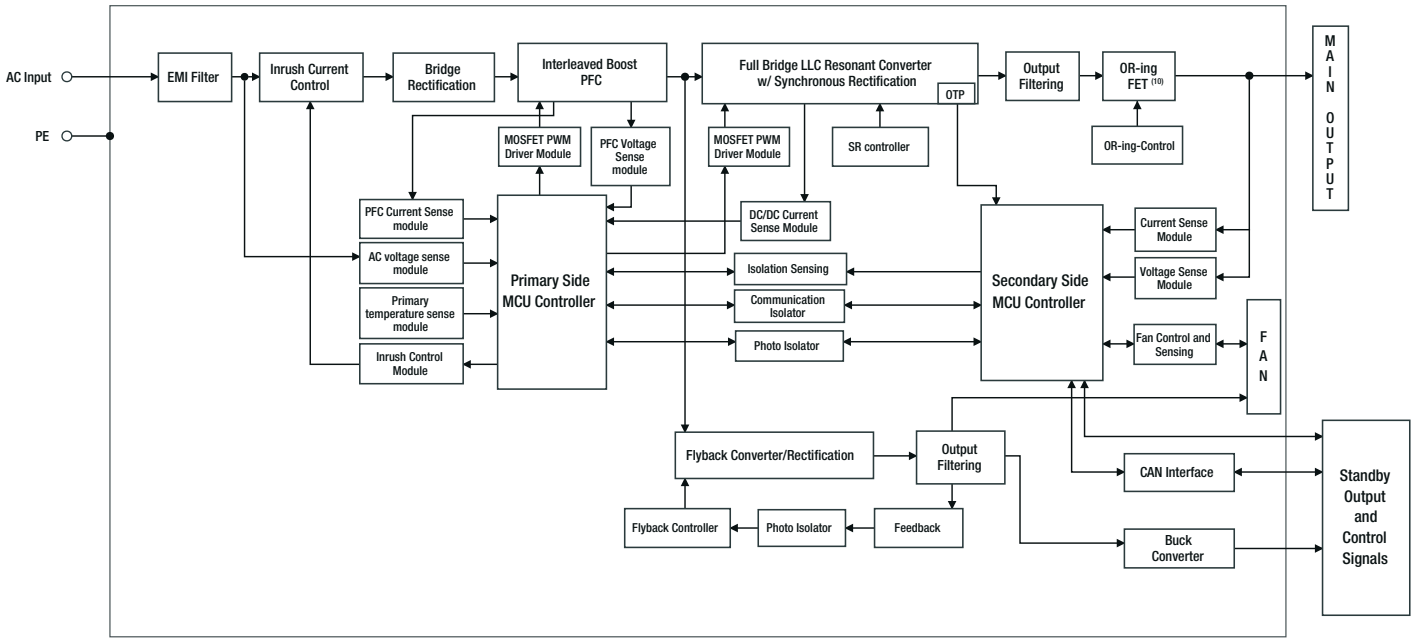
3) Therefore, negative output terminal "-1" of the first power supply unit must be connected to the positive output terminal "+1" of the second power supply unit and routed to the load. Depending on the common output-side earth reference point of the power supply unit, see below table/figures as example.

4) **ATTENTION:** Leakage current, EMI, inrush current, harmonics will increase when using multiple power supplies.

| 2 PSU's in series: | **Figure 1** | **Figure 2** | **Figure 3** |
|---|---|---|---|
| RACM3000-24SM/RF | +48Vdc | -48Vdc | ±24Vdc |
| RACM3000-36SM/RF | +72Vdc | -72Vdc | ±36Vdc |
| RACM3000-48SM/RF | +96Vdc | -96Vdc | ±48Vdc |




## BLOCK DIAGRAM




Note10: Only valid for "/OR" Version. For detailed information refer to **„Model Numbering"**

## PACKAGING INFORMATION

| **Parameter** | **Type** | **Value** |
|---|---|---|
| Packaging Dimension (LxWxH) | carton box | 445.0 x 385.0 x 200.0mm |
| Packaging Quantity | | 6pcs |
| Storage Temperature Range | | -40°C to +90°C |
| Storage Humidity | non-condensing | 95% RH max. |

The product information and specifications may be subject to changes even without prior written notice. The product has been designed for various applications; its suitability lies in the responsibility of each customer. The products are not authorized for use in safety-critical applications without RECOM's explicit written consent. A safety-critical application is an application where a failure may reasonably be expected to endanger or cause loss of life, inflict bodily harm or damage property. The applicant shall indemnify and hold harmless RECOM, its affiliated companies and its representatives against any damage claims in connection with the unauthorized use of RECOM products in such safety-critical applications.

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