

# AETES

## 28V DC RM 3U SERIES

*Wide Input Voltage Range*  
*19-inch Rack Mountable*  
*Small Size Design*

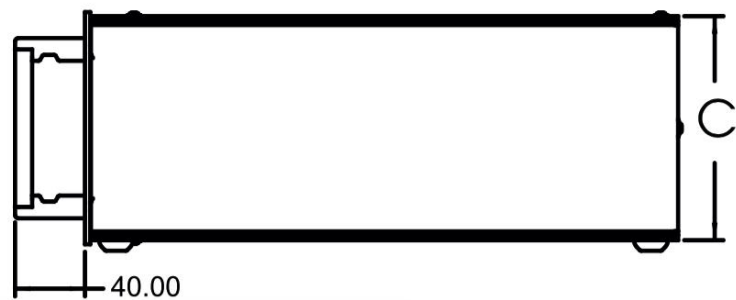
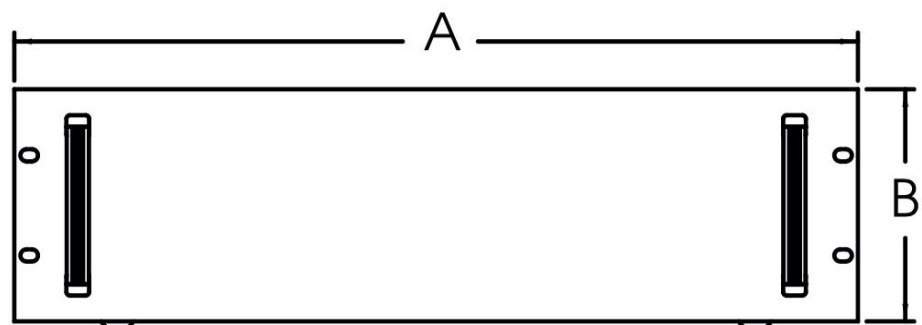
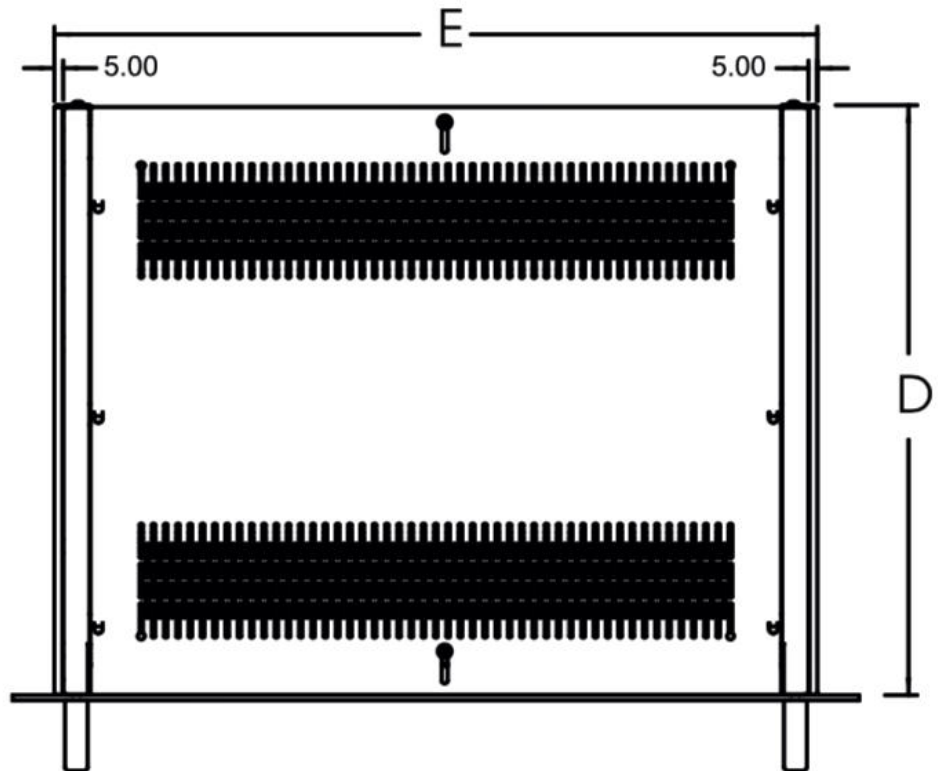


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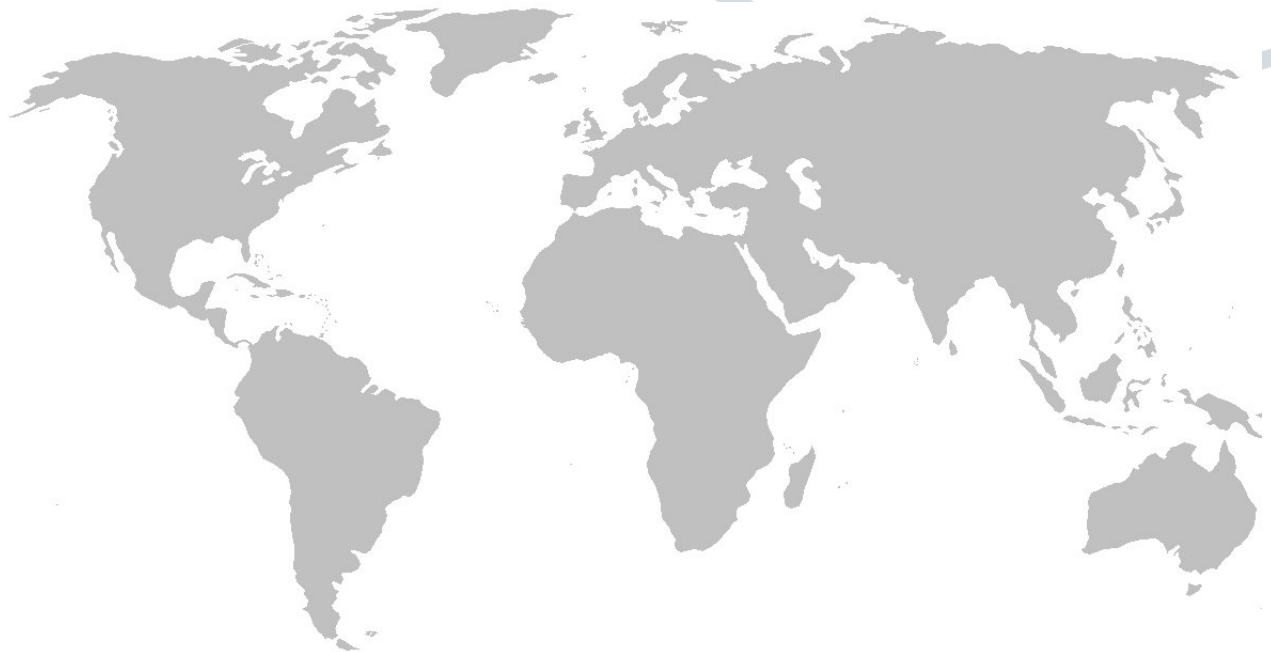
## Specification

| ITEMS                            | MODEL | 230-28-2000RM-3U   | 230-28-4000RM-3U   | 230-28-5000RM-3U        | 230-28-6000RM-3U    |
|----------------------------------|-------|--|--------------------|-------------------------|---------------------|
| Input Voltage Range              |       | 86V...264V AC (47...63Hz)  |                    |                         |                     |
| Max. Input Current (230V AC)     |       | 14A  | 28A                | 34A                     | 40A                 |
| Output Voltage                   |       | 28V DC   | 28V DC             | 28V DC                  | 28V DC              |
| Max. Output Current (DC)         |       | 80A (2000 Watt)  | 2x 80A (4000 Watt) | 2x 100A (5000 Watt)     | 2x 120A (6000 Watt) |
| Power Factor                     |       | 0.95 (Meets EN61000-3-2 Class A)   |                    |                         |                     |
| Overcurrent Protection           |       | >105% Constant current style   |                    |                         |                     |
| Overvoltage Protection           |       | 115% -125%   |                    |                         |                     |
| Over temperature Protection      |       | Yes  |                    |                         |                     |
| Hold Up Time (typ.)              |       | 20ms at 115V /230V AC  |                    |                         |                     |
| Efficiency ( 230VAC )            |       | ≤88 %  |                    |                         |                     |
| Load Regulation (max.)           |       | 158 mV   |                    |                         |                     |
| Line Regulation (max.)           |       | 122 mV   |                    |                         |                     |
| Ripple Noise pp. (max.)          |       | 180 mV   |                    |                         |                     |
| MIL Type Connectors              |       | Optionally   |                    |                         |                     |
| Auxiliary Alarms / Remote On/Off |       | Optionally   |                    |                         |                     |
| MQTT Communication               |       | Optionally   |                    |                         |                     |
| Different Outputs                |       | Optionally (28V+24V or 28V+48V etc.)                                     |                    |                         |                     |
| Digital Display                  |       | Ammeter, Voltmeter   |                    |                         |                     |
| Audible noise at 1m              |       | < 45 dB(A), load and temperature dependent                               |                    |                         |                     |
| Enclosure Color                  |       | Anthracite Grey (RAL7016 Texture) / Black                                |                    |                         |                     |
| Cooling                          |       | Internal fan   |                    |                         |                     |
| Withstand Voltage (One minute)   |       | Input to Ground 2kVAC, Input to Output 3kVAC,<br>Output to Ground 500VAC |                    |                         |                     |
| Isolation Resistance             |       | >100MΩ at 25°C & 70%RH, Output to Ground 500VDC                          |                    |                         |                     |
| Operating Temperature            |       | -20°C to 70°C, derating linearly to 50% load above 50°C                  |                    |                         |                     |
| Storage Temperature              |       | -30°C to +75°C   |                    |                         |                     |
| Humidity (non condensing) Safety |       | 10-90% RH non operating  |                    |                         |                     |
| Compatibility                    |       | EN60950-1  |                    |                         |                     |
| EMI Compatibility                |       | EN55011 / EN55022-B, FCC Class B   |                    |                         |                     |
| Weight (Typ)                     |       | 11 kg  | 14 kg              | 17 kg                   | 18 kg               |
| Dimensions                       |       | A: 483 B: 133 D: 335 mm  |                    | A: 483 B: 133 D: 425 mm |                     |
| Warranty                         |       | 5 years  |                    |                         |                     |

# Drawing



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