



# ALARM SAF

## Rack Mount Mixed Voltage Power Supply 12/24 VDC, 8 Output & 24/28VAC, 16 Output



The AlarmSaf RMMV mixed voltage power supplies deliver the most complete access and video power systems available in a single, 2U rack mount enclosure.

Three independent power supply voltages combine with 8 DC power distribution outputs PLUS 16 AC power distribution outputs to make this a fully integrated power supply system. Economical and efficient, The RMMV is an ideal choice for systems integrators requiring innovative, uncomplicated solutions for complex security projects in the government, commercial, medical, gaming, entertainment, education, retail, transportation and industrial markets.

The RMMV is designed to fit into standard IT equipment racks and includes an easily removable face plate, removable terminal strips for field wiring and an AC cord for convenient installation and service. Agency Listed.

### AGENCY LISTINGS

UL/ANSI 2044, 294, 1481, 1076  
ULC-S318, S527  
CSA C22.2-No. 107.1-01  
CSA C22.2-No. 1-98

### CODE COMPLIANCE

NFPA 72, 731  
CSFM  
NY MEA  
FCC part 15, subpart B, class A  
ESA Registered

### TECHNICAL PRODUCT DESCRIPTION

#### RMMV-122428-24F:

DC Power: 100 Watts distributed through 8 outputs; individually fuse protected and selectable for 12 or 24 VDC

AC Power: 300 VA distributed through 16 outputs; individually fuse protected and selectable for 24 or 28 VAC

#### RMMV-122428-24:

DC Power: 100 Watts distributed through 8 outputs; individually Class 2, power limited and selectable for 12 or 24 VDC

AC Power: 300 VA distributed through 16 outputs; individually Class 2, power limited and selectable for 24 or 28 VAC

### FEATURES

- Triple voltage power supply in single rack mount enclosure; 12 VDC, 24 VDC & 24/28 VAC
- Input and output surge suppression
- Externally visible LED indicators per output
- Standard, 2U EIA 19" Rack Mount Chassis
- Removable face plate
- Removable terminal strips for field wiring
- Automotive blade fuses for improved reliability\*
- Spare fuses included \*
- Removable 3-wire grounded AC line cord
- Easily connects to the AlarmSaf RMBE-1224-4B7 for battery back-up
- Illuminated Master Power Switch with circuit breaker
- Optional Hardwire capability
- Limited Lifetime warranty

### DC POWER SUPPLY FEATURES

- Two independent power supply voltages
- 12 or 24 VDC selectable per output by positional jumper
- 8 individually fused or Class 2, Power Limited outputs
- Includes energy efficient PS5-M power supply
- Thermal Protection
- Visual Fault Indication and Reporting
- Overcurrent protection
- Battery Presence Supervision with optional disable
- Earth ground fault detection with optional disable
- Reverse battery protection
- Controlled Current Battery Charging

### AC POWER SUPPLY FEATURES

- 24 or 28 VAC selectable per output by positional jumper
- 16 individually fused or Class 2, Power Limited outputs
- Maintains camera synchronization
- Removable jumper for individual output disconnect

\*Applies to model RMMV-122428-24F

# Rack Mount Mixed Voltage Power Supply

## 12/24 VDC, 8 Output & 24/28VAC, 16 Output



### SPECIFICATIONS

#### Input Specifications:

- Input voltage: 120 VAC , 450 VA Max
- Input Voltage Frequency: 60 Hz
- Input current: 3.75 A

#### Output Specifications:

- System AC Output Power: 300 VA total
- AC Output Voltage: 24 or 28 VAC, user selectable
- AC Output Current: 12.5 A @ 24 VAC or 10 A @ 28 VAC
- System DC Output Power; 100 Watts total:
  - Main DC Output:
    - Voltage: 24 VDC
    - Current Rating: 4 A
  - Auxiliary DC Output
    - Voltage: 12 VDC
    - Current Rating: 4 A
- Full Load Ripple: 0.015V p-p typical, 0.04V p-p during battery charge
- Current Draw in Standby Mode: 50 mA
- Electronically regulated and filtered output

### POWER DISTRIBUTION SPECIFICATIONS

#### RMMV-122428-24F

##### DC Outputs:

- 8 power distribution outputs:
  - Individually fuse protected
  - 12 or 24 VDC selectable per output by positional jumper
  - Fuse Rating: 3 A

##### AC Outputs:

- 16 power distribution outputs
  - Individually fuse protected
  - 24 or 28 VAC selectable per output by positional jumper
  - Fuse Rating: 3 A

#### RMMV-122428-24

##### DC Outputs:

- 8 power distribution outputs:
  - Individually Class 2, power limited
  - 12 or 24 VDC selectable per output by positional jumper
  - PTC protected @ 1.6 A per output

##### AC Outputs:

- 16 power distribution outputs
  - Individually Class 2, power limited outputs
  - 24 or 28 VAC selectable per output by positional jumper
  - PTC protected @ 1.6 A per output

#### Temperature Ratings:

- Operating Temperature : 0° C to 49° C
- Humidity : 95% @ 32° C
- BTU/hr: 120

#### Battery Charger Specifications:

- Battery Type: Sealed lead acid rechargeable
- Maximum Battery Charge Capacity: 80 Ah in 48 hours
- Maximum Battery Charge Current: 2 A
- Battery Fuse Rating: 15 A
- Easily connects to the AlarmSaf RMBE-1224-4B7 for battery back-up

#### Fault Detection:

- Loss of AC or Brownout
- Power Supply Output  $\geq \pm 10\%$
- Over Temperature condition
- Low Battery Voltage
- Earth Ground Fault
- Blown Battery or AC Fuse
- No Battery Present

#### Fault Reporting:

- Form 'C' relay contact ratings:
  - AC Fault: 28 VDC @ 1 A
  - Common Fault: 28 VDC @ 1A

#### External Visual Indicators:

- AC Presence: Illuminated AC switch
- Zone Output: Green LED per zone

#### Internal Visual Indicators:

- AC Presence: Green LED
- AC Fault: Yellow LED
- Common Fault: Yellow LED
- Earth Ground Fault: Yellow LED

### MECHANICAL

- 2U Rack Mount Chassis: 3.25" H x 19.125" W x 10" D
- 16 gauge painted steel

### APPLICATIONS

#### CCTV:

- AC or DC Camera Power
- IP Camera Power
- PTZ's/Domes
- Fiber Optic Transceivers
- IR Illuminators
- Video Processing Equipment

#### Access Control and Security:

- Card & Proximity Readers
- Multi-technology Readers
- Smart Card Readers
- Door Strikes
- REX PIRs
- System Power
- Auxiliary Equipment Power
- Battery Charging

ORDER NUMBER	MODEL NUMBER	DESCRIPTION
03026	RMMV-122428-24	Mixed voltage rack mount power supply with 24 class 2, power limited outputs: 12VDC, 4A +24 VDC ,4 A, 8 output & 24/ 28 VAC, 12.5/10 A, 16 output
03028	RMMV-122428-24F	Mixed voltage rack mount power supply with 24 fused outputs: 12 VDC, 4 A, + 24 VDC, 4 A, 8 output & 24/ 28 VAC, 12.5/10 A, 16 output
03027	RMBE-1224-4B7	Rack Mount Battery Enclosure with 4 12V7Ah batteries



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