

MaxWell
Single Phase Solid State
Voltage Regulator

MS-1VD Series
MS-1VR Series

Analog input
Resistor input

A Wide Range of models with 10 to 120Amps
220VAC load or 380VAC load
Resistor input or voltage input

- All models with the same universal standard size
- Operation indicator(red LED) enables monitoring operation
- Protective cover for greater safety
- Resistance input or Voltage input
- Fast response and robust
- No noise during the operation
- Chassis mount



Ordering Information(Resistance input)



Section 1:Basic Model Name

MS-1VR: Maxwell Voltage Regulator
Resistor input

Section 2:Rated Load Voltage

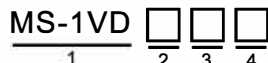
22: 220VAC Load
38: 380VAC Load

Section 3:Rated Load Current

10: 10A
25: 25A
40: 40A
60: 60A
80: 80A
100: 100A
120: 120A

▲ MS-1VR2225: Voltage Regulator 25amps 220V Load Resistor input
Default input for 220VAC load is 0-470KΩ
Default input for 380VAC load is 0-560KΩ

Ordering Information(Voltage input)



Section 1:Basic Model Name

MS-1VD: Maxwell Voltage Regulator
Voltage input

Section 2:Rated Load Voltage

22: 220VAC Load
38: 380VAC Load

Section 3:Rated Load Current

10: 10A
25: 25A
40: 40A
60: 60A
80: 80A
100: 100A
120: 120A

Section 4:Input Signal

A: 0-5VDC
B: 0-10VDC
C: 4-20mA

▲ MS-1VD2225A: Voltage regulator 25amps 220V Load Voltage input(0-5VDC input)

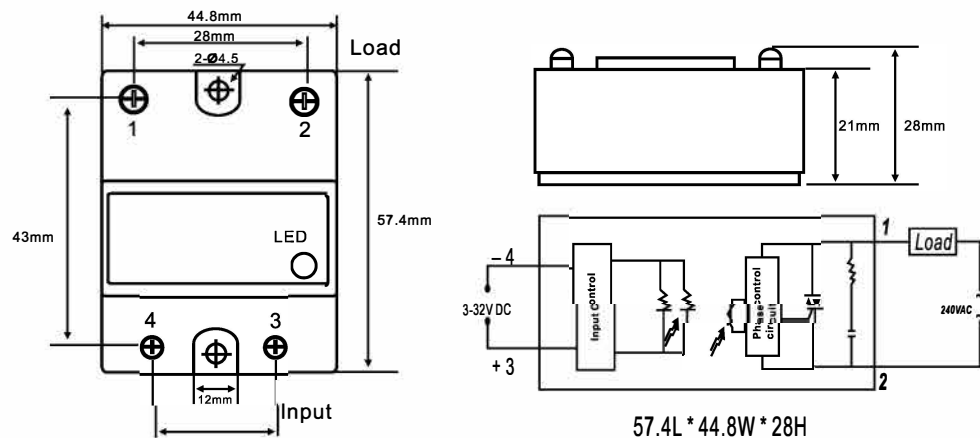
Specifications(Resistor input)

| | |
|-----------------------|---------------------------------|
| Load Voltage | 220VAC / 380VAC |
| Control | 0-470KΩ(220VAC) 0-560KΩ(380VAC) |
| Control Current | N/A |
| On Voltage Drop | ≤1.5V |
| Off-leakage Current | ≤2mA |
| On-off Time | N/A |
| Dielectric Strength | 2500V AC |
| Insulation Resistance | 100MΩ/500VDC |
| Ambient Temperature | -30°C~+75°C |
| Mounting | Chassis mount |
| Indicator | LED |
| Weight | 0.1kg |

Specifications(AC to AC type)

| | |
|-----------------------|-----------------|
| Load Voltage | 220VAC / 380VAC |
| Control Voltage | 0-5VDC/0-10VDC |
| Control Current | DC 4-20mA |
| On Voltage Drop | ≤1.5V |
| Off-leakage Current | ≤2mA |
| On-off Time | ≤10mS |
| Dielectric Strength | 2500V AC |
| Insulation Resistance | 500MΩ/500VDC |
| Ambient Temperature | -30°C~+75°C |
| Mounting | Chassis mount |
| Indicator | LED |
| Weight | 0.1kg |

Wiring and Dimensions



Temperature Controller/Solid State Relay/Rotary Encoder