

Features

- NEMA 4, IP 65, Highly Durable, Weatherproof Metal Cabinet
- Protection for Sensitive Equipment
- Absorbs Energy from Transients and Electrical Disturbances
- Acts in Nanoseconds
- TMOV (Thermally Protected Metal Oxide Varistors) Technology
- High Frequency Noise Filtering
- Derivative Parallel Connection (does not interrupt Load Operation)
- Parallel to increase Capacity

Solves the following power quality issues

- Voltage Spikes
- Attenuates (EMI & RF) High-frequency Electrical Noise

Applications

- Main, Secondary and Load Centers
- UPS, Regulators, and Emergency Plants
- Data Centers
- Communication Centers
- Laboratories and Medical Equipment
- Audio and Video Recording Studios
- Sensitive and Delicate Loads
- Industrial and Commercial use

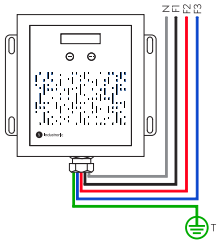
Optional

- Custom design



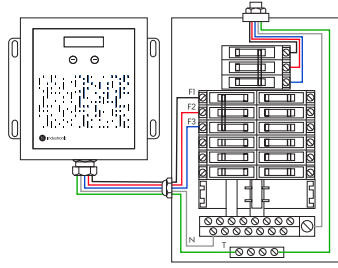
SPVM- IND Specs

• SPV Wiring



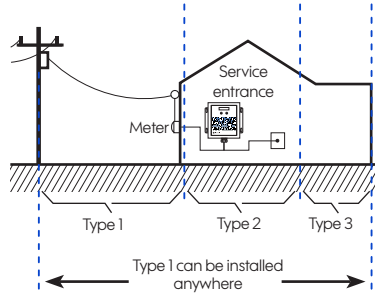
P1= Phase 1= Black Cable
P2= Phase 2= Red Cable
P3= Phase 3= Blue Cable

• Wiring to board

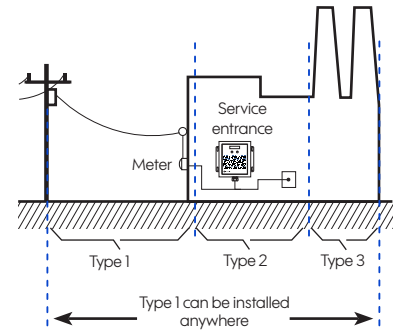


N= Neutral= White Cable
T= Ground= Green Cable

• House Connection



• Commercial Building Connection



| Models SPVM-IND | 3200 | | 3400 | |
|---------------------------------------------|--------------------------------------------------------------------------------|------|--------------------------------------------------------|-------|
| Electrical | | | | |
| Capacity (kA) | 200 | | 400 | |
| Nominal Voltage | 110 / 190, 120 / 208, 127 / 220 | | 254 / 440, 266 / 460, 277 / 480 | |
| Phases | 3 | | | |
| Configuration | Three phase star (4 wires + ground) | | | |
| Type / Recommended application class | Type 1 and Type 2 | | | |
| Short Circuit Current Capacity (SCCR) | 200 kA | | | |
| Nominal Discharge Current (In) | 50 / 60 | | | |
| Frequency (Hz) | 1 nanosecond | | | |
| Response time | 10 modes, P1-N, P1-G, P2-N, P2-T, P3-N, P3-G, N-G, P1-P2, P2-P3, P1-P3 | | | |
| Protection modes | Up to 50 dB from 10 kHz to 100 MHz | | | |
| EMI / RFI Filtering | 800 V (P-N), 800 V (P-G), 800 V (N-G), 1600 V (P-P) | | 1800 V (P-N), 1800 V (P-G), 1800 V (N-G), 3600 V (P-P) | |
| Voltage Protection (VPR) | 150 V (P-N, N-G, P-G) | | 320 V (P-N, N-G, P-G) | |
| Maximum Continuous Operation Voltage (MCOV) | 10 | 20 | 10 | 20 |
| Protection current per phase (kA) | 60 | 120 | 60 | 120 |
| Three-Phase protection current (kA) | 200 | 400 | 200 | 400 |
| Energy capacity (J) | 2400 | 4800 | 5400 | 10800 |
| Mechanical | | | | |
| Cabinet type | NEMA 4, IP 65, 16 caliber galvanized steel with baked epoxy coating in black | | | |
| Dimensions, height x width x depth (mm) | 270 x 240 x 120 | | | |
| Standard weight (kgs) | 4.0 | 4.1 | 4.0 | 4.1 |
| Connection type | 5 flexible cables caliber 8 AWG | | | |
| Physical | | | | |
| Operational altitude (m s.n.m.) | 3,000 | | | |
| Operational temperature (°C) | -20 - 70 | | | |
| Relative humidity | from 5% to 95% without condensation | | | |
| Applicable characteristics | | | | |
| Average efficiency | 100% | | | |
| Harmonic distortion | Does NOT add harmonic distortion to the line | | | |
| Anti-ignition system | Thermostable polymer encapsulated varistors & smoke proof sealed metal cabinet | | | |
| Suggested switch type | 3 poles, 30 A, 250 Vca | | 3 poles, 30 A, 600 Vca | |
| Certifications | Complies with: NOM, UL 1449 3rd Edition; components comply to UL94V-0 | | | |

The specifications are subject to changes and modifications without prior notice, due to our commitment of continuous improvement of reliability, design and functionality of our products