

SPECIFICATION

■ 1 SLOT Single output (150W) MS-150

| | | | | | | | | | | | | | |
|--------------------|---|--|----------|---------|----------|-------------------------------|--------------|----------------------------|------------|----------|----------|----------|--|
| OUTPUT (MS-150) | OUTPUT VOLTAGE CODE | MS-150A | MS-150B | MS-150C | MS-150D | MS-150E | MS-150F | MS-150G | MS-150H | MS-150I | MS-150J | MS-150K | |
| | DC VOLTAGE | 2V | 3.3V | 5V | 7.5V | 12V | 15V | 18V | 24V | 27V | 33V | 48V | |
| | RATED CURRENT | 25A | 25A | 25A | 18A | 13A | 10A | 8.5A | 6.5A | 5.8A | 4.7A | 3.2A | |
| | CURRENT RANGE | 0 ~ 25A | 0 ~ 25A | 0 ~ 25A | 0 ~ 18A | 0 ~ 13A | 0 ~ 10A | 0 ~ 8.5A | 0 ~ 6.5A | 0 ~ 5.8A | 0 ~ 4.7A | 0 ~ 3.2A | |
| | PEAK LOAD <small>Note.4</small> | 30A | 30A | 30A | 20.7A | 15A | 11.5A | 9.8A | 7.5A | 6.7A | 5.4A | 3.68A | |
| | RATED POWER | 50W | 82.5W | 125W | 135W | 156W | 150W | 153W | 156W | 156.6W | 155.1W | 153.6W | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 50mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 250mVp-p | 250mVp-p | |
| | VOLTAGE ADJ. RANGE | 1.6 ~ 2.6V | 2.6 ~ 4V | 4 ~ 6V | 6 ~ 9V | 9 ~ 13.2V | 13.2 ~ 16.8V | 16.8 ~ 20V | 20 ~ 26.4V | 25 ~ 31V | 30 ~ 40V | 40 ~ 53V | |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±3.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.2% | ±0.2% | ±0.2% | ±0.2% | |
| | LOAD REGULATION | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | |
| | SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 121 ~ 150% rated output power | | | | 116 ~ 150% rated output power | | | | | | | |
| | OVER VOLTAGE | Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | | | | | | | | |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON | | | | | | RC+/RC-: 4 ~ 12V POWER OFF | | | | | |

■ 1 SLOT Single output (210W) MS-210

| | | | | | | | | | | | | | |
|--------------------|---|--|-----------|-----------|-----------|-------------------------------|--------------|----------------------------|------------|-----------|-----------|-----------|--|
| OUTPUT (MS-210) | OUTPUT VOLTAGE CODE | MS-210-1A | MS-210-1B | MS-210-1C | MS-210-1D | MS-210-1E | MS-210-1F | MS-210-1G | MS-210-1H | MS-210-1I | MS-210-1J | MS-210-1K | |
| | DC VOLTAGE | 2V | 3.3V | 5V | 7.5V | 12V | 15V | 18V | 24V | 27V | 33V | 48V | |
| | RATED CURRENT | 35A | 35A | 35A | 28A | 17.5A | 14A | 11.6A | 8.75A | 7.8A | 6.4A | 4.4A | |
| | CURRENT RANGE | 0 ~ 35A | 0 ~ 35A | 0 ~ 35A | 0 ~ 28A | 0 ~ 17.5A | 0 ~ 14A | 0 ~ 11.6A | 0 ~ 8.75A | 0 ~ 7.8A | 0 ~ 6.4A | 0 ~ 4.4A | |
| | PEAK LOAD <small>Note.4</small> | 38.5A | 38.5A | 38.5A | 32.2A | 20.1A | 16.1A | 13.4A | 10.1A | 9A | 7.4A | 5.1A | |
| | RATED POWER | 70W | 115.5W | 175W | 210W | 210W | 210W | 208.8W | 210W | 210.6W | 211.2W | 211.2W | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 50mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 250mVp-p | 250mVp-p | |
| | VOLTAGE ADJ. RANGE | 1.6 ~ 2.6V | 2.6 ~ 4V | 4 ~ 6V | 6 ~ 9V | 9 ~ 13.2V | 13.2 ~ 16.8V | 16.8 ~ 20V | 20 ~ 26.4V | 25 ~ 31V | 30 ~ 40V | 40 ~ 53V | |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±3.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.2% | ±0.2% | ±0.2% | ±0.2% | |
| | LOAD REGULATION | ±2.0% | ±1.5% | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.5% | |
| | SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 110 ~ 135% rated output power | | | | 116 ~ 150% rated output power | | | | | | | |
| | OVER VOLTAGE | Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | | | | | | | | |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON | | | | | | RC+/RC-: 4 ~ 12V POWER OFF | | | | | |

■ 2 SLOT Single output (300W) MS-300

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|--------------------|---|--|-----------|-----------|-----------|-----------|--------------|----------------------------|------------|-----------|-----------|-----------|--|
| OUTPUT (MS-300) | OUTPUT VOLTAGE CODE | MS-300-2A | MS-300-2B | MS-300-2C | MS-300-2D | MS-300-2E | MS-300-2F | MS-300-2G | MS-300-2H | MS-300-2I | MS-300-2J | MS-300-2K | |
| | DC VOLTAGE | 2V | 3.3V | 5V | 7.5V | 12V | 15V | 18V | 24V | 27V | 33V | 48V | |
| | RATED CURRENT | 50A | 50A | 50A | 40A | 25A | 20A | 16.7A | 12.5A | 11.2A | 9.1A | 6.3A | |
| | CURRENT RANGE | 0 ~ 50A | 0 ~ 50A | 0 ~ 50A | 0 ~ 40A | 0 ~ 25A | 0 ~ 20A | 0 ~ 16.7A | 0 ~ 12.5A | 0 ~ 11.2A | 0 ~ 9.1A | 0 ~ 6.3A | |
| | PEAK LOAD <small>Note.4</small> | 57.5A | 57.5A | 57.5A | 46A | 29A | 23A | 19.2A | 14.4A | 12.9A | 10.5A | 7.2A | |
| | RATED POWER | 100W | 165W | 250W | 300W | 300W | 300W | 300.6W | 300W | 302.4W | 300.3W | 302.4W | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 80mVp-p | 80mVp-p | 80mVp-p | 100mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 200mVp-p | 250mVp-p | 300mVp-p | |
| | VOLTAGE ADJ. RANGE | 1.6 ~ 2.6V | 2.6 ~ 4V | 4 ~ 6V | 6 ~ 9V | 9 ~ 13.2V | 13.2 ~ 16.8V | 16.8 ~ 20V | 20 ~ 26.4V | 25 ~ 31V | 30 ~ 40V | 40 ~ 53V | |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±3.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.2% | ±0.2% | ±0.2% | ±0.2% | |
| | LOAD REGULATION | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 116 ~ 150% rated output power | | | | | | | | | | | |
| | OVER VOLTAGE | Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | | | | | | | | |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON | | | | | | RC+/RC-: 4 ~ 12V POWER OFF | | | | | |

■ 2 SLOT Single output (360W) MS-360

| | | | | | | | | | | | | | |
|--------------------|---|--|-----------|-----------|-----------|-----------|--------------|----------------------------|------------|-----------|-----------|-----------|--|
| OUTPUT (MS-360) | OUTPUT VOLTAGE CODE | MS-360-3A | MS-360-3B | MS-360-3C | MS-360-3D | MS-360-3E | MS-360-3F | MS-360-3G | MS-360-3H | MS-360-3I | MS-360-3J | MS-360-3K | |
| | DC VOLTAGE | 2V | 3.3V | 5V | 7.5V | 12V | 15V | 18V | 24V | 27V | 33V | 48V | |
| | RATED CURRENT | 60A | 60A | 60A | 48A | 30A | 24A | 20A | 15A | 13.4A | 11A | 7.5A | |
| | CURRENT RANGE | 0 ~ 60A | 0 ~ 60A | 0 ~ 60A | 0 ~ 48A | 0 ~ 30A | 0 ~ 24A | 0 ~ 20A | 0 ~ 15A | 0 ~ 13.4A | 0 ~ 11A | 0 ~ 7.5A | |
| | PEAK LOAD <small>Note.4</small> | 69A | 69A | 69A | 55.2A | 34.5A | 27.6A | 23A | 17.3A | 15.5A | 12.7A | 8.7A | |
| | RATED POWER | 120W | 198W | 300W | 360W | 360W | 360W | 360W | 360W | 361.8W | 363W | 360W | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 80mVp-p | 100mVp-p | 100mVp-p | 100mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 200mVp-p | 250mVp-p | 300mVp-p | |
| | VOLTAGE ADJ. RANGE | 1.6 ~ 2.6V | 2.6 ~ 4V | 4 ~ 6V | 6 ~ 9V | 9 ~ 13.2V | 13.2 ~ 16.8V | 16.8 ~ 20V | 20 ~ 26.4V | 25 ~ 31V | 30 ~ 40V | 40 ~ 53V | |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±3.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.5% | ±0.5% | ±0.3% | ±0.3% | ±0.3% | ±0.2% | ±0.2% | ±0.2% | ±0.2% | |
| | LOAD REGULATION | ±2.0% | ±1.5% | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | |
| | SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 116 ~ 150% rated output power | | | | | | | | | | | |
| | OVER VOLTAGE | Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | | | | | | | | |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON | | | | | | RC+/RC-: 4 ~ 12V POWER OFF | | | | | |

SPECIFICATION

■ 1 SLOT Single output (75W) MS-75

| | | | | | | | |
|---------------------------|---|---|------------|------------|--------------|------------|------------|
| OUTPUT (MS-75) | OUTPUT VOLTAGE CODE | MS-75L | MS-75M | MS-75N | MS-75O | MS-75P | MS-75Q |
| | DC VOLTAGE | 3.3V | 5V | 12V | 15V | 24V | 48V |
| | RATED CURRENT | 15A | 15A | 6.3A | 5A | 3.2A | 1.6A |
| | CURRENT RANGE | 0 ~ 15A | 0 ~ 15A | 0 ~ 6.3A | 0 ~ 5A | 0 ~ 3.2A | 0 ~ 1.6A |
| | PEAK LOAD <small>Note.4</small> | 17.3A | 17.3A | 7.3A | 5.8A | 3.7A | 1.8A |
| | RATED POWER | 49.5W | 75W | 75.6W | 75W | 76.8W | 76.8W |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 80mVp-p | 80mVp-p | 150mVp-p | 150mVp-p | 150mVp-p | 250mVp-p |
| | VOLTAGE ADJ. RANGE | 2.6 ~ 4V | 4 ~ 6V | 9 ~ 13.2V | 13.2 ~ 16.8V | 20 ~ 26.4V | 40 ~ 53V |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±2.0% | ±2.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% |
| | LINE REGULATION | ±0.5% | ±0.5% | ±0.3% | ±0.3% | ±0.2% | ±0.2% |
| | LOAD REGULATION | ±1.0% | ±1.0% | ±0.5% | ±0.5% | ±0.5% | ±0.5% |
| SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | |
| PROTECTION | OVERLOAD | 116 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed | | | | | |
| | OVER VOLTAGE | 4.1 ~ 5V | 6.1 ~ 7.5V | 13.3 ~ 18V | 16.9 ~ 22V | 26.5 ~ 35V | 53.1 ~ 60V |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON RC+/RC-: 4 ~ 12V POWER OFF | | | | | |

■ 1 SLOT Isolated Dual output (100W) MD-100

| | | | | | | | | | | | | | | | | | |
|-----------------|---|--|-------------|-------------|--------------|-------------|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|
| OUTPUT (MD-100) | OUTPUT VOLTAGE CODE | MD-100R | | MD-100S | | MD-100T | | MD-100U | | MD-100V | | MD-100W | | MD-100X | | | |
| | DC VOLTAGE | 5V | 5V | 5V | 12V | 5V | 15V | 24V | 5V | 24V | 12V | 12V | 12V | 12V | 15V | 15V | |
| | RATED CURRENT | 10A | 8A | 10A | 4.2A | 10A | 3.4A | 2.5A | 8A | 2.5A | 3.4A | 5A | 3.4A | 4A | 2.7A | 2.7A | |
| | CURRENT RANGE | 2 ~ 10A | 0 ~ 8A | 2 ~ 10A | 0 ~ 5.8A | 2 ~ 10A | 0 ~ 4.7A | 0.5 ~ 3A | 0 ~ 10A | 0.6 ~ 3A | 0 ~ 4.7A | 1 ~ 5A | 0 ~ 5.8A | 1 ~ 4.7A | 0 ~ 4.7A | 0 ~ 4.7A | |
| | RATED POWER <small>Note.6</small> | 90W | | 100.4W | | 101W | | 100W | | 100.8W | | 100.8W | | 100.5W | | 100.5W | |
| | RIPPLE & NOISE (max.) <small>Note.2</small> | 100mVp-p | 100mVp-p | 100mVp-p | 150mVp-p | 100mVp-p | 150mVp-p | 200mVp-p | 100mVp-p | 240mVp-p | 120mVp-p | 120mVp-p | 120mVp-p | 120mVp-p | 150mVp-p | 150mVp-p | |
| | VOLTAGE ADJ. RANGE | 4.75 ~ 5.5V | 4.75 ~ 5.5V | 4.75 ~ 5.5V | 11.4 ~ 13.2V | 4.75 ~ 5.5V | 14.2 ~ 16.5V | 22.8 ~ 26.4V | 4.75 ~ 5.5V | 22.8 ~ 26.4V | 11.4 ~ 13.2V | 11.4 ~ 13.2V | 11.4 ~ 13.2V | 11.4 ~ 13.2V | 14.2 ~ 16.5V | 14.2 ~ 16.5V | |
| | VOLTAGE TOLERANCE <small>Note.3</small> | ±3.0% | ±3.0% | ±3.0% | ±3.0% | ±3.0% | ±3.0% | ±3.0% | ±3.0% | ±2.0% | ±3.0% | ±2.0% | ±3.0% | ±2.0% | ±3.0% | ±3.0% | |
| | LINE REGULATION | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±1.0% | ±0.5% | ±1.0% | ±0.5% | ±1.0% | ±0.5% | ±1.0% | ±1.0% | |
| | LOAD REGULATION | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±1.0% | ±2.0% | ±1.0% | ±2.0% | ±1.0% | ±2.0% | ±2.0% | |
| | SETUP, RISE, HOLD UP TIME | 1500ms, 50ms, 20ms at full load | | | | | | | | | | | | | | | |
| PROTECTION | OVERLOAD | 105 ~ 150% rated output power Protection type : Shut down o/p voltage, re-power on to recover | | | | | | | | | | | | | | | |
| | OVER VOLTAGE | 5.6 ~ 7.2V | 5.6 ~ 7.2V | 5.6 ~ 7.2V | 13.3 ~ 17V | 5.6 ~ 7.2V | 16.6 ~ 22V | 26.5 ~ 34V | 5.6 ~ 7.2V | 26.5 ~ 34V | 13.3 ~ 17V | 13.3 ~ 17V | 13.3 ~ 17V | 13.3 ~ 17V | 16.6 ~ 22V | 16.6 ~ 22V | |
| FUNCTION | REMOTE INHIBIT CONTROL | RC+/RC-: 0 ~ 0.8V or OPEN, POWER ON RC+/RC-: 4 ~ 12V POWER OFF | | | | | | | | | | | | | | | |
| NOTE | <p>1. MP450:The value changed by installing different output modules. The efficiency in specification means output modules are composed by following modules. 5V(Voltage code C)*1, 12V(Voltage code E)*1, 24V(Voltage code H)*1, 5V(Voltage code M)*1.</p> <p>MP650:The value changed by installing different output modules. The efficiency in specification means output modules are composed by following modules. 5V(Voltage code C)*2, 12V(Voltage code E)*1, 24V(Voltage code H)*2.</p> <p>MP1K0:The value changed by installing different output modules. The efficiency in specification means output modules are composed by following modules. 5V(Voltage code C)*2, 12V(Voltage code E)*2, 24V(Voltage code H)*3.</p> <p>The hold-up time of above combination is 20ms(typ.)</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. 35% Duty cycle maximum within every 10 seconds. Average output power should not exceed the rated power.</p> <p>5. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 720mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)</p> <p>6. If the output voltage adjust to higher level, the rated current should be derated to meet the total rated power for both outputs(For MD-100 only).</p> <p>7.The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p> | | | | | | | | | | | | | | | | |

Table 1. Parallel code(For MS-210、MS-300、MS-360 only)

| Model | Code | SLOT1 | SLOT2 | SLOT3 | SLOT4 | SLOT5 | SLOT6 | SLOT7 |
|------------|------|-------|-------|-------|-------|-------|-------|-------|
| MS-300/360 | X | | | | | | ---- | ---- |
| | 1 | ○ | | | ○ | | ---- | ---- |
| | 2 | | | ○ | | ○ | ---- | ---- |
| | 3 | | | | ○ | | ○ | |
| | 4 | | | | | ○ | | ○ |
| | 5 | ○ | | | ○ | | ○ | |
| MS-210 | 7 | ○ | ○ | | | | | |
| | 8 | ○ | ○ | ○ | ○ | | | |
| | 9 | ○ | ○ | ○ | ○ | | | |

※Code X,1,2,7,8,9 for MP450, MP650

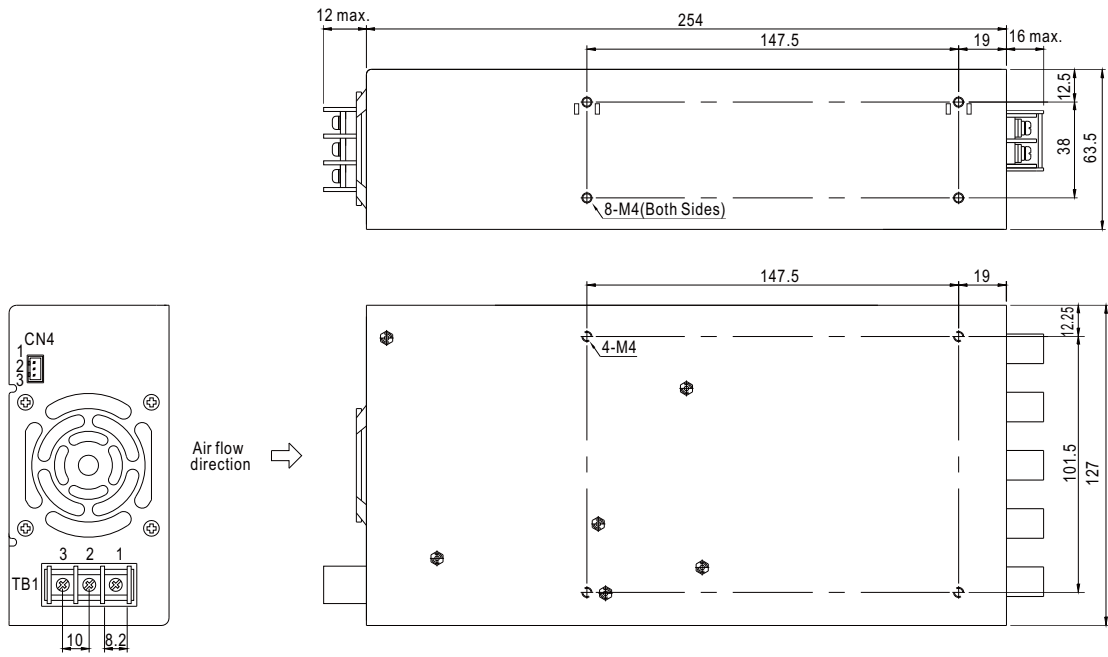
※Code X,1,2,3,4,5,6,7,8,9 for MP1K0

※Maximum number of units for parallel function : 5 for MS-210, 3 for MS-300/360

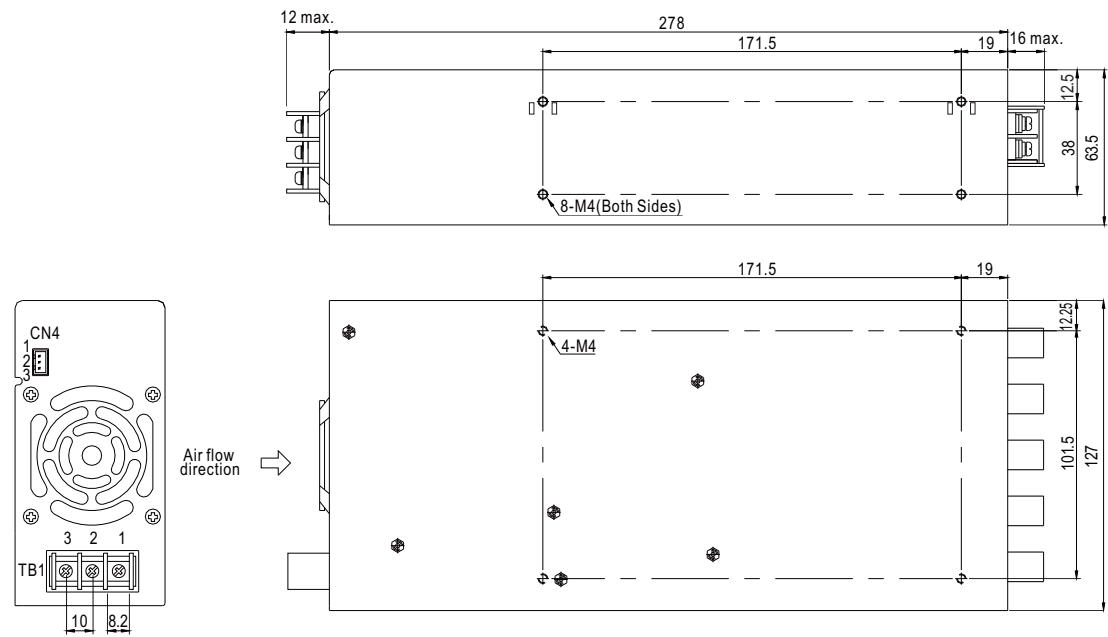
■ Mechanical Specification

Unit:mm

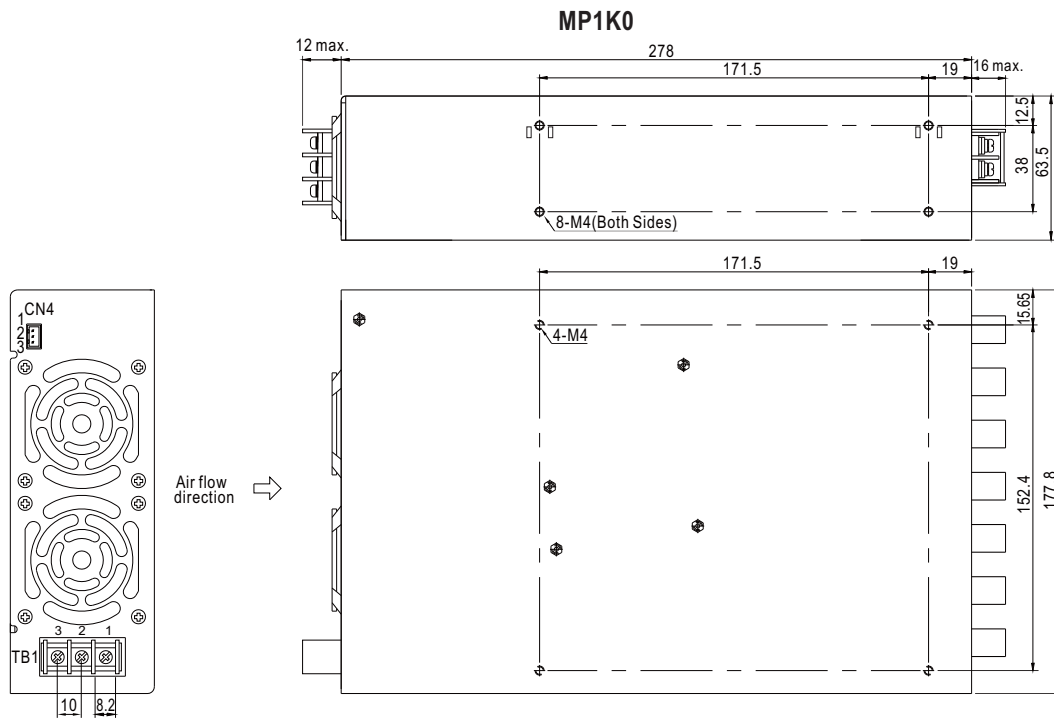
MP450



MP650



■ Mechanical Specification



TB1(PFC-450/650/1K0)

| Pin No. | Assignment |
|---------|------------|
| 1 | AC/L |
| 2 | AC/N |
| 3 | FG \perp |

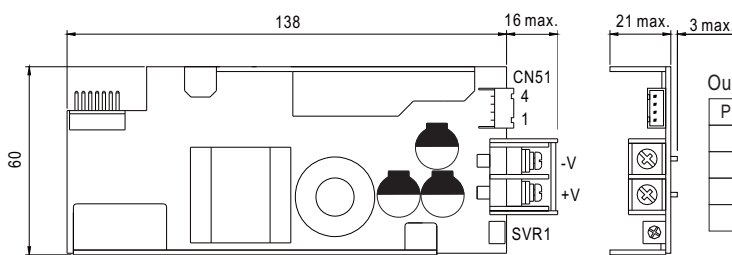
CN4(PFC-450/650/1K0) : JST B3B-XH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|--------------------------------|-----------------------|---------------------------------|
| 1 | +RC: +Remote ON/OFF | JST XHP or equivalent | JST SXH-001T-P0.6 or equivalent |
| 2 | -RC: -Remote ON/OFF | | |
| 3 | VCC: 12V/0.1A auxiliary output | | |

■ Mechanism of Output Modules

Unit:mm

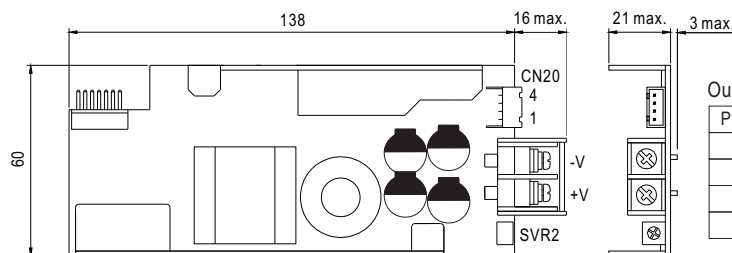
◎MS-75



Output Connector(CN51) : JST B4B-XH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|---------------------|-----------------------|---------------------------------|
| 1 | +S: +Remote sense | JST XHP or equivalent | JST SXH-001T-P0.6 or equivalent |
| 2 | -S: -Remote sense | | |
| 3 | +RC: +Remote ON/OFF | | |
| 4 | -RC: -Remote ON/OFF | | |

◎MS-150

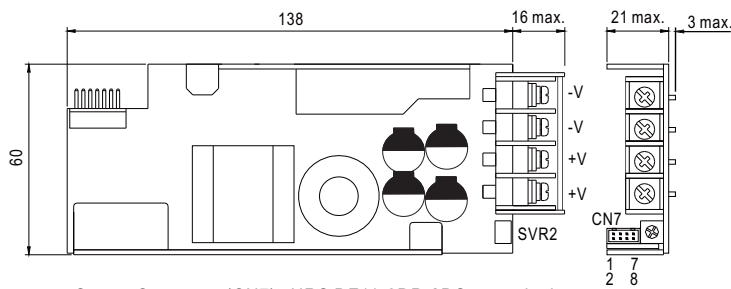


Output Connector(CN20) : JST B4B-XH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|---------------------|-----------------------|---------------------------------|
| 1 | +S: +Remote sense | JST XHP or equivalent | JST SXH-001T-P0.6 or equivalent |
| 2 | -S: -Remote sense | | |
| 3 | +RC: +Remote ON/OFF | | |
| 4 | -RC: -Remote ON/OFF | | |

■ Mechanism of Output Modules

©MS-210

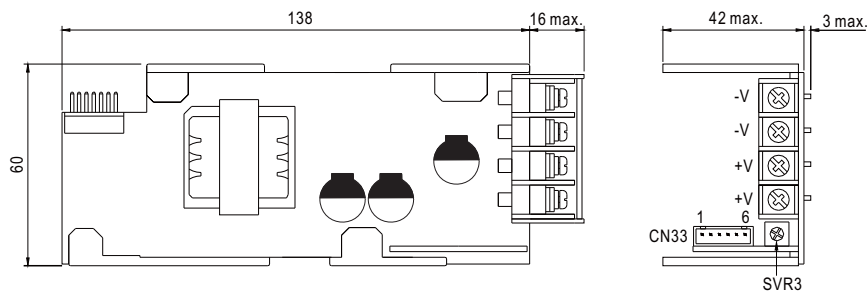


Output Connector(CN7) : HRS DF11-8DP-2DS or equivalent

| Pin No. | Assignment | Pin No. | Assignment | Mating Housing | Terminal |
|---------|---------------------|---------|-------------------------------|----------------------------|---------------------------|
| 1 | +S: +Remote sense | 5 | CS: Current sharing | HRS DF11-8DS or equivalent | DRS DF11-SC or equivalent |
| 2 | -S: -Remote sense | 6 | G: GND | | |
| 3 | +RC: +Remote ON/OFF | 7 | ML: Remote margin low control | | |
| 4 | -RC: -Remote ON/OFF | 8 | M: Remote margin control | | |

- NOTE: 1.The voltage difference among each output should be minimized that less than 2% is required.
 2.The total output current must not exceed the value determined by the following equation.
 (Output current at parallel operation) = (The rated current per unit) × (Number of unit) × 0.9

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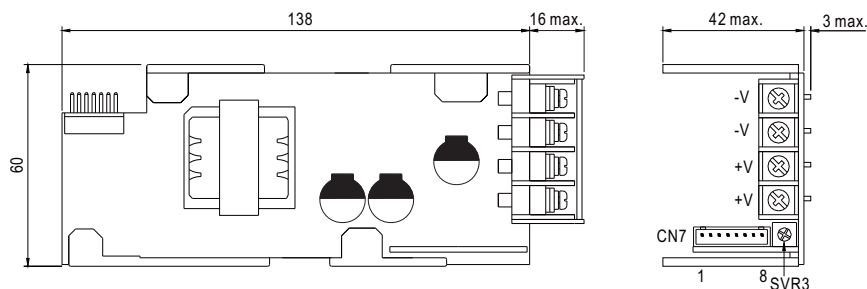


Output Connector(CN33) : JST B6B-XH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|---------------------|-----------------------|---------------------------------|
| 1 | +S: +Remote sense | JST XHP or equivalent | JST SXH-001T-P0.6 or equivalent |
| 2 | -S: -Remote sense | | |
| 3 | +RC: +Remote ON/OFF | | |
| 4 | -RC: -Remote ON/OFF | | |
| 5 | CS: Current sharing | | |
| 6 | G: GND | | |

- NOTE: 1.The voltage difference among each output should be minimized that less than 2% is required.
 2.The total output current must not exceed the value determined by the following equation.
 (Output current at parallel operation) = (The rated current per unit) × (Number of unit) × 0.9

©MS-360



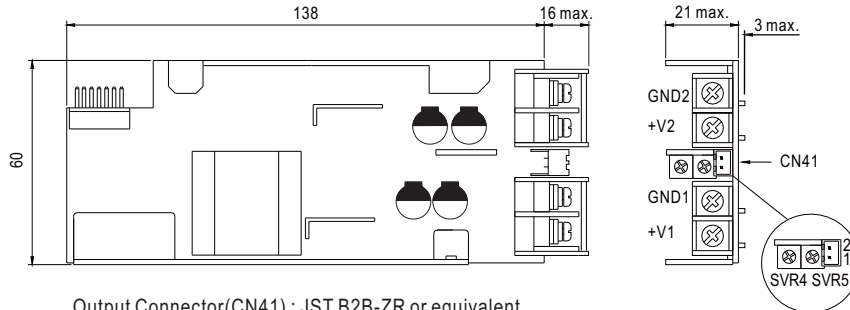
Output Connector(CN7) : JST B8B-XH or equivalent

| Pin No. | Assignment | Pin No. | Assignment | Mating Housing | Terminal |
|---------|---------------------|---------|-------------------------------|-----------------------|---------------------------------|
| 1 | +S: +Remote sense | 5 | CS: Current sharing | JST XHP or equivalent | JST SXH-001T-P0.6 or equivalent |
| 2 | -S: -Remote sense | 6 | G: GND | | |
| 3 | +RC: +Remote ON/OFF | 7 | ML: Remote margin low control | | |
| 4 | -RC: -Remote ON/OFF | 8 | M: Remote margin control | | |

- NOTE: 1.The voltage difference among each output should be minimized that less than 2% is required.
 2.The total output current must not exceed the value determined by the following equation.
 (Output current at parallel operation) = (The rated current per unit) × (Number of unit) × 0.9

■ Mechanism of Output Modules

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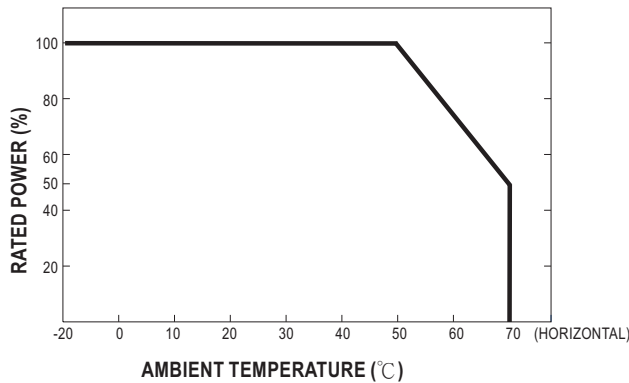


Output Connector(CN41) : JST B2B-ZR or equivalent

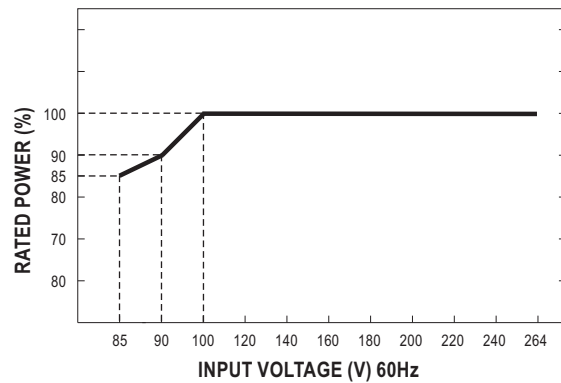
| Pin No. | Assignment | Mating Housing | Terminal |
|---------|------------|-------------------------|---------------------------------|
| 1 | +RC | JST ZHR-2 or equivalent | JST SZH-002T-P0.5 or equivalent |
| 2 | -RC | | |

- NOTE: 1.Remote ON/OFF of CN4 turn ON/OFF the entire power system
 2.Remote ON/OFF of CN20,CN33,CN41,CN51 turn ON/OFF the individual output module
 3.SVR1~5: DC output voltage adjustment(SVR4 for CH2 of MD-100,SVR5 for CH1 of MD-100)

■ Derating Curve



■ Static Characteristics



■ Remote Margin / V-Program

Remote Margin / V-Program is available for MS-210 and MS-360 to fine tune the output voltage. Hereunder is the instruction, assuming no voltage adjustment is applied via the built-in potentiometer.

- (1)When the function is not required, please have pin CN7-8 (refer to Mechanism of Output Modules) open, and the output voltage will present the nominal voltage.
- (2)Connecting pin CN7-8 with CN7-6 (or CN7-7) will tune the output voltage up (if CN7-7, down) by 5% of the nominal voltage.
- (3)Applying an additional 100K Ω potentiometer across CN7-6 and CN7-7 (referring to Figure 1) will enable the adjustment in between -5% and +5% (EX: -3%, +2.5%, and etc.)

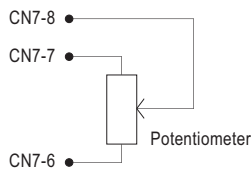


Figure 1

(Please refer to Mechanism of Output Modules)

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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