




Al Dhaw Al Mathali Lighting Equipment Trading L.L.C

Add: Industrial Area 13, Tesheel parking Shop No B-6 Sharjah, U.A.E
Tel: 971 6 5353 014 Mobile 971 50 6424 503

40W Single output waterproof led driver (Constant Voltage Type)

Space-40 Series

|  | Features |
|---|--|
| | 1. 3 years warranty |
| | 2. High efficiency 87% |
| | 3. Economical design |
| | 4. Protections: Short-circuit /Over-load /Over-voltage /Over-temperature |
| | 5. Working temperature : -25℃ ~ + 50℃ |
| | 6. IP67 design |
| | 7. 2~3 times burn-in tests (+40℃ at full load with over 14 hours) |

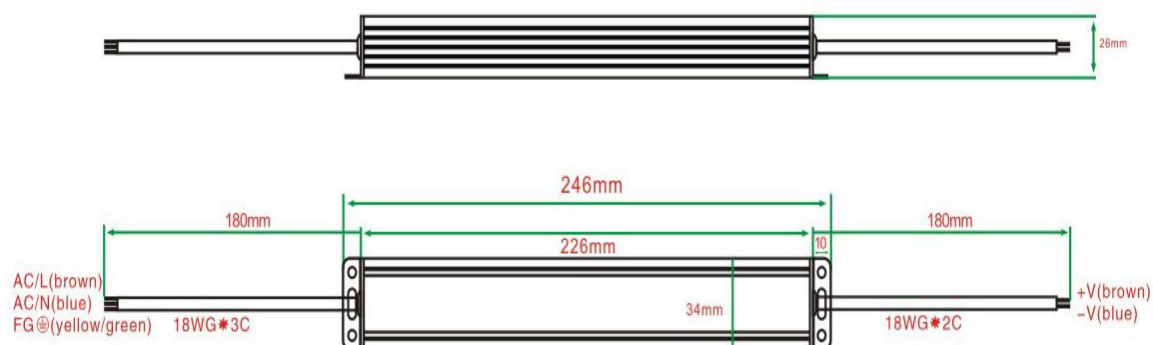
Application

Led strips, electronics display screen, outdoor instruments and machines.....etc

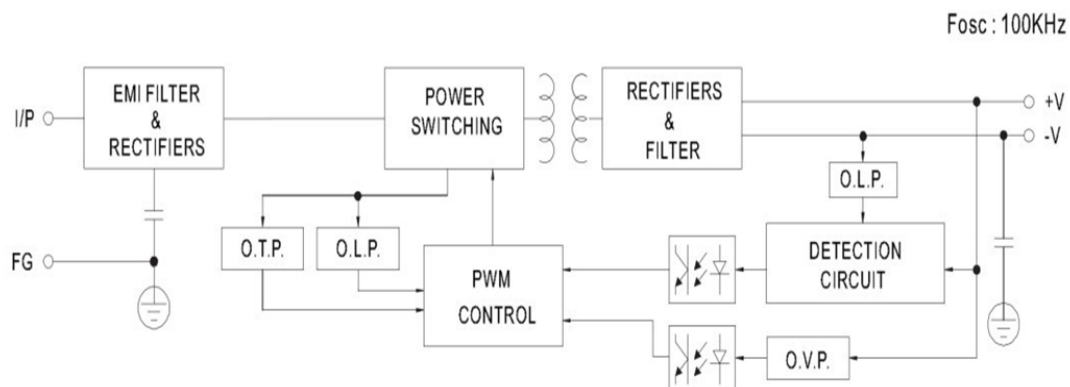
Specification Sheet

| Model | Space-40 Series | Space-40-12 | Space-40-24 |
|---|---|---|-------------|
| Output | Rated Voltage (Note 1) | 12VDC | 24VDC |
| | Output Current Range | 0~3.33A | 0~1.67A |
| | Rated Power (Max) | 40W | 40W |
| | Ripple and Noise (Max) (Note 2) | 120mVp-p | 150mVp-p |
| | Voltage Tolerance | ±3.0% | ±3.0% |
| | Line Regulation | ±1% | ±1% |
| | Load Regulation | ±1.0% | ±1.0% |
| | Set-up, Rise Time | 1500ms 80ms/230VAC, 2000ms 80ms/110VAC | |
| Hold-up Time | 50ms/230VAC at full load, 25ms/110VAC at full load | | |
| Input | Voltage Range | 90~130VAC / 170~264VAC | |
| | Frequency Range | 47~63Hz | |
| | Efficiency (Note 3) | 85.0% | 87.0% |
| | AC Current | 0.50A ~ 0.17A | |
| | Inrush Current | Cold Start at 40A/230VAC, Input at Ta: 25 °C cold start. | |
| | Leakage Current | < 0.5mA at 230VAC, 60Hz Input | |
| Protection | Over-Voltage | 110% ~ 130% (Shut down O/P voltage, repower on to recover) | |
| | Over-load | 130% ~ 150% (Shut down O/P voltage, repower on to recover) | |
| | Short Circuit | Hiccup mode, recovers automatically after faulty problem is removed | |
| | Over-temperature | 85 °C±10 °C (Shut down O/P voltage, re-power on to recover) | |
| Environment | Working Environment | -25 °C ~ +50 °C | |
| | Working Humidity | 20~90% RH non-condensing | |
| | Storage Environment & Humidity | -30 °C ~ +70 °C | |
| | TEMP. Coefficient | ±0.05% °C (0~50 °C) | |
| Safety & EMC | Vibration | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | |
| | Safety Standards | EN-61347-1, EN61347-2-13, IP67, ROHS Tests, Design refer to UL8750 | |
| | Withstand Voltage | I/P-O/P: 3KVAC, IP-FG: 1.5KVAC, OP-FG: 500VAC | |
| | Isolation Resistance | I/P-O/P IP-FG OP-FG: 100M Ohms/500VDC / 25 °C / 70% RH | |
| Others | EMC Emission | Compliance to EN55015: 2007, EN61547:1995+A1:2000; EN61000-3-2: 2006; EN61000-3-3: 2008 | |
| | Life Span (Note 4) | ≥30000Hrs (25~30 °C) | |
| | No Load power consumption | ≤1.0W | |
| | MTBF (Note 5) | 250K hrs min, MIL-HDBK-217F (25 °C) | |
| | Dimension (Note 6) | 248*34*26 mm (L*W*H) | |
| | Packing | 50pcs/carton | |
| Weight | 0.37Kg/pcs | | |
| Notes | All parameter are measured at normal temperature (+25 ~ +28 °C) | | |
| | 1. The rated voltage can be customized, such as 18V/27V... can be customized | | |
| | 2. Ripple & Noise are measured at 20KHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF & 47uF parallel capacitor (at full load) | | |
| | 3. The efficiency measured at Max output voltage, and 230VAC with full load, if with 110VAC the efficiency will be lowered 1% ~ 2%; Working 1~2 hours, efficiency will be higher 0.5% ~ 1% than the initial stage | | |
| | 4. This measured at 120VAC, 80% ~85% load with environmental temperature about +25 °C~+30 °C, the outer housing temperature with +55 °C or higher | | |
| | 5. This measured at 120VAC, 80% ~85% load with environmental temperature about +25 °C~+30 °C, the outer housing temperature with +55 °C or higher | | |
| 6. More details see the following mechanical draft. | | | |

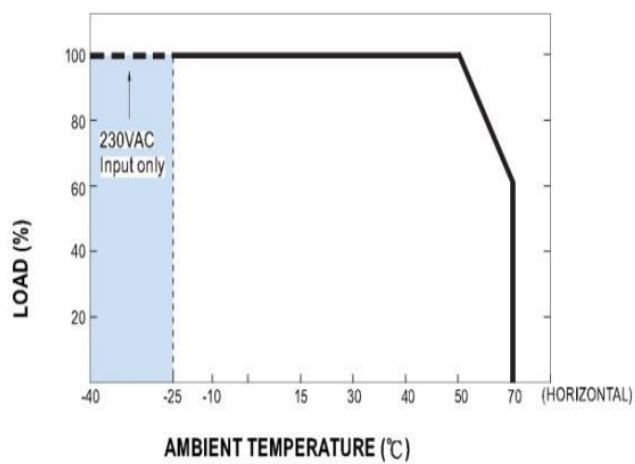
Mechanical Specification



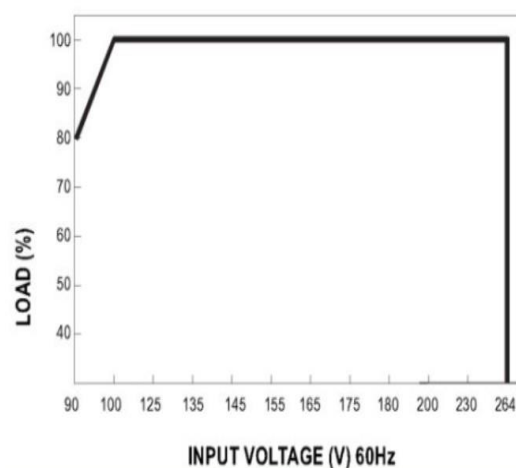
Block Diagram



Derating Curve



Static Characteristics



Efficiency & Load of (24V) (110VAC / 230VAC)

