



Installation Manual

- **Type : Adaptor** (Families : GC, GE, GEM, GP, GS, GSM, GST, OWA, P, SGA)

- **Introduction**

Adaptor is a kind of external switching power supply, which is designed to connect pieces of electrical equipment externally. Mean Well's adaptor types include industrial, moisture proof, and medical.

- **Installation**

- (1) Before attaching the DC plug of an adaptor to equipment, please unplug the adaptor from the AC power and verify the unit is within the voltage and current rating on the equipment.
- (2) Keep the linkage between the adaptor and its power cord tightly as well as connecting the DC plug to equipment properly.
- (3) Protect the power cord from being trodden on or being squashed.
- (4) Keep good ventilation for the unit in use to prevent it from overheating. Also a 10-15 cm clearance must be kept when the adjacent device is a heat source.
- (5) An approved power cord should greater or equal to SVT, 3G×18AWG or H03VV-F, 3G×0.75mm².
- (6) If the final equipment is not used for long period of time, disconnect the equipment from power supply to avoid being damaged by voltage peaks or lightning strike.
- (7) For other information about the products, please refer to www.meanwell.com for details.

- **Warning / Caution !!**

- (1) Risk of electrical shock and energy hazard. All failure should be examined by a qualified technician. Please do not remove the case of the adaptor by yourself!
- (2) Risk of fire or electrical shock. The openings should be protected from foreign objects or dripping liquids.
- (3) Using wrong DC plug or forcing a DC plug into an electronic device may damage the device or cause to malfunction. Please refer to DC plug compatibility information shown in specification sheets.
- (4) Adaptors should be placed on a reliable surface. A drop or fall could cause damage.
- (5) Please do not put adaptors in places with high moisture or near the water.
- (6) Please do not put adaptors in places with high ambient temperature or near fire source. About the maximum ambient temperature, please refer to their specifications.
- (7) Output current and output wattage must not exceed the rated values on specifications.
- (8) Disconnect the unit from the AC power before cleaning. Do not use any liquid or aerosol cleaner. Only use a damp cloth to wipe it.
- (9) Warning:
 - (a) For equipments that are using accompany with BSMI certified adapters, the enclosure of surrounding equipments shall comply with V1 of above flammability capability.
 - (b) Operation of this equipment in a residential environment could cause radio interference.
- (10) Please contact your local qualified recyclers when you want to dispose this product.
- (11) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (a) This device may not cause harmful interference, and
 - (b) This device must accept any interference received, including interference that may cause undesired operation.



Installation Manual

● Energy efficiency

| | |
|-------------------------------|---|
| Model identifier | GST18A/B/E(05/07/09/12/15/18/24/28/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/28.0/48.0 (V) |
| Output current | 3.0/2.0/2.0/1.5/1.2/1.0/0.75/0.64/0.375 (A) |
| Output power | 15.0W for 5.0/7.0V output 18.0W for other |
| Average active efficiency | >81.39% for 5V, >85.0% for other |
| Efficiency at low load (10 %) | >81.6% (typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GST25A/B/E(05/07/09/12/15/18/24/28/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/28.0/48.0 (V) |
| Output current | 4.0/2.93/2.55/2.08/1.66/1.38/1.04/0.89/0.52(A) |
| Output power | 20.0W for 5.0V, 22.0W for 7.5V, 23.0W for 9.0V, 25.0W for other |
| Average active efficiency | >83.35% for 5V, >86.35% for other |
| Efficiency at low load (10 %) | >81.7%(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GST36B/E(05/09/12/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/24.0/48.0 (V) |
| Output current | 4.3/3.11/3.0/1.5/0.75(A) |
| Output power | 21.5W for 5.0V, 28.0W for 9.0V, 36.0W for other |
| Average active efficiency | >83.6% for 5V, >87.4% for other |
| Efficiency at low load (10 %) | >82.4%(typ) |
| No-load power consumption | <0.10W |



Installation Manual

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|-------------------------------|--|
| Model identifier | GST40A(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 5.0/5.34/4.45/3.34/2.67/2.22/1.67/0.84 (A) |
| Output power | 25.0W for 5.0V 40.0W for other |
| Average active efficiency | >83.46% for 5V, >87.59% for other |
| Efficiency at low load (10 %) | >84.54%(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|--|
| Model identifier | GST60A(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 6.0/6.0/6.0/5.0/4.0/3.33/2.5/1.25(A) |
| Output power | 30.0W for 5.0V, 45.0W for 7.5V, 54.0 W for 9.0V, 60.0W for other |
| Average active efficiency | >85.07% for 5V, > 88% for other |
| Efficiency at low load (10 %) | >85.0%(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|----------------------------------|
| Model identifier | GST90A(12/15/19/24/48)-P1M |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/19.0/24.0/48.0 (V) |
| Output current | 6.67/6.0/4.74/3.75/1.87(A) |
| Output power | 80.0W for 12.0V, 90.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >86.1 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

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|-------------------------------|--|
| Model identifier | GST120A(12/15/20/24/48)-R7B/P1M |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/48.0 (V) |
| Output current | 8.5/7.0/6.0/5.0/2.5(A) |
| Output power | 102.0W for 12.0V, 105.0W for 15.0V, 120.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >86.5 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|--|
| Model identifier | GST160A(12/15/20/24/48)-R7B |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/36.0/48.0 (V) |
| Output current | 11.5/9.6/8.0/6.67/4.44/3.34(A) |
| Output power | 138.0W for 12.0V, 144.0W for 15.0V, 160.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >80.0 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|---|
| Model identifier | GST220A(12/15/20/24/36/48)-R7B |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/36.0/48.0 (V) |
| Output current | 15.0/13.4/11.0/9.2/6.1/4.6(A) |
| Output power | 180.0W for 12.0V, 201.0W for 15.0V, 220.0W for 20.0V, 221.0W for 24.0V, 219.6W for 36.0V, 221.0W for 48.0V |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >80.0 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

Note:

GSM series are complied with medical 60601-1 regulation. Following efficiency parameters are for performance reference.

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|-------------------------------|--|
| Model identifier | GSM18B/E/U(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0//48.0 (V) |
| Output current | 3.0/2.0/2.0/1.5/1.2/1.0/0.75/0.375 (A) |
| Output power | 15.0W for 5.0/7.0V output 18.0W for other |
| Average active efficiency | >81.39% for 5V, >85.0% for other |
| Efficiency at low load (10 %) | >81.6% (typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GSM25B/E/U(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 4.0/2.93/2.55/2.08/1.66/1.38/1.04/0.52(A) |
| Output power | 20.0W for 5.0V, 22.0W for 7.5V, 25.0W for other |
| Average active efficiency | >83.35% for 5V, >86.35% for other |
| Efficiency at low load (10 %) | >81.7%(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GSM36B/E/U(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 4.5/4.32/4.0/3.0/2.4/2/1.5/0.75(A) |
| Output power | 22.5W for 5.0V, 32.4W for 7.0V, 36.0W for other |
| Average active efficiency | >83.6% for 5V, >87.4% for other |
| Efficiency at low load (10 %) | >82.4%(typ) |
| No-load power consumption | <0.10W |



Installation Manual

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|-------------------------------|--|
| Model identifier | GSM40A/B(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 5.0/5.34/4.45/3.34/2.67/2.22/1.67/0.84 (A) |
| Output power | 25.0W for 5.0V 40.0W for other |
| Average active efficiency | >83.46% for 5V, >87.59% for other |
| Efficiency at low load (10 %) | >84.54%(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GSM60A/B/E/U(05/07/09/12/15/18/24/48)-P1J |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 6.0/6.0/5.5/4.5/4/3.33/2.5/1.25(A) |
| Output power | 30.0W for 5.0V, 45.0W for 7.5V, 49.5 W for 9.0V, 54.0W for 12V, 60W for other |
| Average active efficiency | >85.07% for 5V, > 88% for other |
| Efficiency at low load (10 %) | >85.0%(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|----------------------------------|
| Model identifier | GSM90A/B(12/15/19/24/48)-P1M |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/19.0/24.0/48.0 (V) |
| Output current | 6.67/6.0/4.74/3.75/1.87(A) |
| Output power | 80.0W for 12.0V, 90.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >87.1 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

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|-------------------------------|--|
| Model identifier | GSM120A/B(12/15/20/24/48)-R7B |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/48.0 (V) |
| Output current | 8.5/7.0/6.0/5.0/2.5(A) |
| Output power | 102.0W for 12.0V, 105.0W for 15.0V, 120.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >86.3 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|--|
| Model identifier | GSM160A/B(12/15/20/24/48)-R7B |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/36.0/48.0 (V) |
| Output current | 11.5/9.6/8.0/6.67/4.44/3.34(A) |
| Output power | 138.0W for 12.0V, 144.0W for 15.0V, 160.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >87.6 %(typ) |
| No-load power consumption | <0.21W |

| | |
|-------------------------------|---|
| Model identifier | GSM220A/B(12/15/20/24/48)-R7B |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/48.0 (V) |
| Output current | 15.0/13.4/11.0/9.2/4.6(A) |
| Output power | 180.0W for 12.0V, 201.0W for 15.0V, 220.0W for 20.0V, 221.0W for other |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >84.6 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

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|-------------------------------|---|
| Model identifier | OWA-60E-12/15/20/24/30/36/42/48/54 |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V) |
| Output current | 5.0/4.0/3.0/2.5/2.0/1.67/1.5/1.25/1.12(A) |
| Output power | 60.0W for 12.0/15.0/20.0/24.0/30.0/48.0(V), 60.12W for 36.0V, 63.0W for 42.0V, 60.48W for 54.0V |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >80.0 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|---|
| Model identifier | OWA-90E-12/15/20/24/30/36/42/48/54 |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V) |
| Output current | 7.5/6.0/4.5/3.75/3.0/2.5/2.15/1.88/1.67 (A) |
| Output power | 90.0W for 12.0/15.0/20.0/24.0/30.0/36.0(V), 90.3W for 42.0V, 90.24W for 48.0V, 90.18W for 54.0V |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >79.0 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|--|
| Model identifier | OWA-120E-(12/15/20/24/30/36/42/48/54) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V) |
| Output current | 9.6/8.0/6.0/5.0/4.0/3.4/2.9/2.5/2.3 (A) |
| Output power | 115W for 12.0V, 120W for 15.0/20.0/24.0/30.0/48.0(V), 122.4W for 36.0V, 121.8W for 42.0V, 124.2W for 54.0V |
| Average active efficiency | >88.0 % |
| Efficiency at low load (10 %) | >82.5 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

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|-------------------------------|--|
| Model identifier | GS06E-(1/11/2/3/4/5/6/7) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 1.0/0.8/0.66/0.5/0.4/0.33/0.25/0.125 (A) |
| Output power | 6W |
| Average active efficiency | >78.88 % |
| Efficiency at low load (10 %) | >73.0 %(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|---|
| Model identifier | GS15-(1/1-1/2/3/4/5/6/8) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 2.4/1.6/1.66/1.25/1.0/0.83/0.625/0.31 (A) |
| Output power | 12W for 5.0/7.5V, 15.0W for other |
| Average active efficiency | >82.96% for 5/7.5V, >84.13% for other |
| Efficiency at low load (10 %) | >79.0 %(typ) |
| No-load power consumption | <0.10W |

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|-------------------------------|--|
| Model identifier | SGA12-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 2.4/1.6/1.33/1.0/0.8/0.66/0.5/0.25 (A) |
| Output power | 12W |
| Average active efficiency | >82.96 % |
| Efficiency at low load (10 %) | >75.0 %(typ) |
| No-load power consumption | <0.10W |



Installation Manual

| | |
|-------------------------------|--------------------------------------|
| Model identifier | SGA18-(5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 3.0/2.0/1.5/1.2/1.0/0.75/0.375 (A) |
| Output power | 15W for 5.0V, 18.0W for other |
| Average active efficiency | >84.1 % for 5V, >85.0% for other |
| Efficiency at low load (10 %) | >78.5 %(typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|---|
| Model identifier | SGA25-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 4.0/2.93/2.77/2.08/1.66/1.38/1.04/0.52 (A) |
| Output power | 20W for 5.0V, 22W for 7.5V, 25.0W for other |
| Average active efficiency | >85.4% for 5V, >86.35% for other |
| Efficiency at low load (10 %) | >81.0 %(typ) |
| No-load power consumption | <0.10W |



Installation Manual

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|-------------------------------|---|
| Model identifier | SGA40-(5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 5.0/4.44/3.33/2.66/2.22/1.67/0.84 (A) |
| Output power | 25W for 5.0V, 40.0W for other |
| Average active efficiency | >86.35% for 5V, >87.6% for other |
| Efficiency at low load (10 %) | >85.0 %(typ) |
| No-load power consumption | <0.10W |
| Model identifier | SGA60-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 6.0/6.0/5.5/5.0/4.0/3.33/2.5/1.25 (A) |
| Output power | 30W for 5.0V, 45W for 7.5V, 50W for 9.0V, 60.0W for other |
| Average active efficiency | >86.95% for 5V, >87.73% for 7.5V, >89.0% for other |
| Efficiency at low load (10 %) | >84.0 %(typ) |
| No-load power consumption | <0.21W |

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|-------------------------------|--|
| Model identifier | GE12I-(5/7.5/9/12/15/18/24) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0 (V) |
| Output current | 2.0/1.33/1.33/1.0/0.8/0.83/0.625 (A) |
| Output power | 10W for 5.0/7.5V, 12W for 9/12/15V, 15W for other |
| Average active efficiency | >81.95% for 5.0/7.5V, >82.96% for 9/12/15V, >84.13% for other |
| Efficiency at low load (10 %) | >72.1 %(typ) |
| No-load power consumption | <0.10W |



Installation Manual

| | |
|-------------------------------|---|
| Model identifier | GE18I-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 2.4/1.73/2.0/1.5/1.2/1.0/0.75/0.375 (A) |
| Output power | 12W for 5.0V, 13W for 7.5V, 18W for other |
| Average active efficiency | >82.96% for 5.0V, >83.38% for 7.5V, >85.00% for other |
| Efficiency at low load (10 %) | >75.1 %(typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|---|
| Model identifier | GE24I-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 3.0/2.0/2.22/2.0/1.6/1.33/1.0/0.5 (A) |
| Output power | 15W for 5.0/7.5V, 20W for 9.0V, 24W for other |
| Average active efficiency | >84.13% for 5.0/7.5V, >85.47% for 9.0V, >86.20% for other |
| Efficiency at low load (10 %) | >75.8 %(typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|-------------------------|
| Model identifier | GE30I-(12/15/18/24) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 12.0/15.0/18.0/24.0 (V) |
| Output current | 2.5/2.0/1.66/1.25 (A) |
| Output power | 30W |
| Average active efficiency | >86.95% |
| Efficiency at low load (10 %) | >83.7 %(typ) |
| No-load power consumption | <0.10W |



Installation Manual

| | |
|-------------------------------|---|
| Model identifier | GE40I-(5/7.5/9/12/15/18/24/36/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/36.0/48.0 (V) |
| Output current | 4.0/2.66/3.3/3.3/2.7/2.2/1.67/1.00/0.83 (A) |
| Output power | 20W for 5.0/7.5V, 30W for 9.0V, 40W for other |
| Average active efficiency | >85.47% for 5.0/7.5V, >86.92% for 9.0V, >87.58% for other |
| Efficiency at low load (10 %) | >77.3 % (typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|--|
| Model identifier | GSM12E/GEM12I-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 1.6/1.33/1.0/0.8/0.66/0.5/0.25 (A) |
| Output power | 12W |
| Average active efficiency | >82.96% |
| Efficiency at low load (10 %) | >72.96% (typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|--------------------------------------|
| Model identifier | GEM18I-(5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 3.0/2.0/1.5/1.2/1.0/0.75/0.375 (A) |
| Output power | 15W for 5.0V, 18.0W for other |
| Average active efficiency | >84.1 % for 5V, >85.0% for other |
| Efficiency at low load (10 %) | >81.0% (typ) |
| No-load power consumption | <0.10W |



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| | |
|-------------------------------|---|
| Model identifier | GEM30I-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 4.0/3.33/3.33/2.5/2.0/1.66/1.25/.625 (A) |
| Output power | 20W for 5.0V, 25W for 7.5V, 30.0W for other |
| Average active efficiency | >85.47% for 5V, >86.35% for 7.5V, >86.95% for other |
| Efficiency at low load (10 %) | >81.0 %(typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|---|
| Model identifier | GEM40I-(5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 5.0/4.0/3.33/2.66/2.22/1.66/0.83 (A) |
| Output power | 25W for 5.0V, 36W for 9.0V, 40.0W for other |
| Average active efficiency | >86.35% for 5V, >87.40% for 9.0V, >87.59% for other |
| Efficiency at low load (10 %) | >85.0 %(typ) |
| No-load power consumption | <0.10W |

| | |
|-------------------------------|--|
| Model identifier | GEM60I-(5/7.5/9/12/15/18/24/48) |
| Input voltage | 230Vac |
| Input AC frequency | 50Hz |
| Output voltage | 5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V) |
| Output current | 6.0/6.0/5.5/4.5/4.0/3.33/2.5/1.25 (A) |
| Output power | 30W for 5.0V, 45W for 7.5V, 50W for 9.0V, 54W for 12V 40.0W for other |
| Average active efficiency | >86.95% for 5V, >87.73% for 7.5V, >89.0% for other |
| Efficiency at low load (10 %) | >83.0 %(typ) |
| No-load power consumption | <0.21W |



Installation Manual

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Declaration of China RoHS Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL is confirming and announcing the conformity to China RoHS, an Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products.

Environment Friendly Use Period Label

| | |
|--|--|
| | Observing SJT 11364-2014, Marking for the Restricted Use of Hazardous Substances in Electronic and Electrical Products |
| | Observing SJ/Z 11388-2009, General Guidelines of Environment-friendly Use Period of Electronic Information Products Appendix B, adopting table look-up to verify the Environment Friendly Use Period |

Names and Contents of Hazardous Substances Lists

| Part Name | Hazardous Substances | | | | | |
|-------------------------|----------------------|-----------------|-----------------|---|--------------------------------------|---|
| | Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Hexavalent chromium (Cr ⁶⁺) | Polybrominated biphenyls (PBB) | Polybrominated diphenyl ethers (PBDE) |
| PCB and its components | X | O | X | O | O | O |
| Metal structure parts | X | O | O | O | O | O |
| Plastic structure parts | O | O | O | O | O | O |
| Accessories | O | O | O | O | O | O |
| Cables | X | O | O | O | O | O |

O: The concentration of the hazardous substances within the homogeneous material of that product is less than the concentration limits set by GB/T 26572-2011.
X: The concentration of the hazardous substances within the homogeneous material of that product is over the concentration limits set by GB/T 26572-2011; however, it follows the standard advised by 2011/65/EU.



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Declaration of China VOC Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL is confirming and announcing the conformity to China's Standardization Administration Releases VOC Standards

| Standard No. | Name of the Standard |
|---------------|--|
| GB 30981-2020 | Limit of harmful substances of industrial protective coatings |
| GB 33372-2020 | Limits for volatile organic compounds content in adhesive |
| GB 38507-2020 | Limits for volatile organic compounds (VOCs) In printing ink |
| GB 38508-2020 | Limits for volatile organic compounds content in cleaning agents |

ISO-9001 CERTIFIED

Your Reliable Power Partner



Declaration of Five PBT TSCA Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL hereby confirms that MEAN WELL product series comply with Use and Risk Management for Five PBT Chemicals under TSCA section 6(h)

| CAS No. | Substance Name |
|------------|---|
| 1163-19-5 | Decabromodiphenyl ether (DecaBDE) |
| 68937-41-7 | Phenol, isopropylated, phosphate (3:1) PIP (3:1) |
| 732-26-3 | 2,4,6-Tris (tert-butyl) phenol (2,4,6-TTBP) |
| 133-49-3 | Pentachlorothiophenol (PCTP) |
| 87-68-3 | Hexachlorobutadiene (HCBD) |