FEATURES

- GaN FET Based Compact Design
- 9 W/in² Power Density
- 91-93% Average Efficiency
- 2 x MOPP, C14 (Class I) & C18 (Class II) Inlets
- Compliant with DoE Level VI
- IEC/UL/CSA 60601-1-1, 60601-1-11 & 62368-1 Approved
- Class II Certified for Use in Home Healthcare Environment

INPUT SPECIFICATIONS

- Input Voltage Range ............ 100-240 VAC
- Input Frequency ................... 50-60 Hz
- Input Current ........................3.9A max. @ 100 VAC/240 VAC
- Inrush Current ......................150A max. @ full load, at 25°C cold start
- Touch Current ......................100 µA max. @ 264 VAC
- Leakage Current ..................250 µA max. @ 264 VAC (Class I)

OUTPUT SPECIFICATIONS

- Output Power Ratings .........See models list
- No Load Power Cons. .........0.5W typical
- Line Regulation ...................±0.5% max.
- Load Regulation ..................±5% max.
- Ripple and Noise* ...............1% Vp-p max. of output @ full load
- Over Voltage Protection ...Set @ 150% max.; Latch off
- Over Current Protection ...Set @ 180% max.; Auto-recovery
- Short Circuit Protection .........Shut down; Auto-recovery
- Thermal Shutdown .............. Protected to over-temp. conditions
- Temperature Coefficient......±0.04%/°C max.
- Transient Response ...........0.5 ms for 50% load change typical

STANDARDS & COMPLIANCE

IEC/EN 61000-1-2 Ed. 4.0. EMC & Immunity Performance
EN 55011, 55024, 55032 .. Class B, conducted & radiated
FCC, VCCI ................. Class B, conducted & radiated
EN 61000-3-2 .................... Harmonic distortion, Class A & D
EN 61000-3-3 .................... Line flicker
EN 61000-4-2 .................... ESD, ±15 KV air and ±8 KV contact
EN 61000-4-3 .................... Radiated immunity, 10 V/m
EN 61000-4-4 .................... Fast transient/burst, ±2 KV
EN 61000-4-5 .................... Surge, ±1 KV diff., ±2 KV com.
EN 61000-4-6 .................... Conducted immunity, 10 Vrms
EN 61000-4-8 .................... Magnetic field immunity, 30 A/m
EN 61000-4-11 .................. Voltage dips,
- 30% reduction for 500ms,
- 60% reduction for 100ms,
- >95% reduction for 10ms

SAFETY STANDARDS

IEC 60601-1 (Ed. 3.1),
ANSI/AAMI ES 60601-1:2012,
CAN/CSA-C22.2 No. 60601-1-14,
IEC/UL/SA 62368-1 (2nd. Ed.);
For Class II only:
IEC/EN 60601-1-6:2015,
CAN/CSA-C22.2 60601-1-6:11,
IEC 60601-1-11:2015,
ANSI/AAMI/HAS 60601-1-11:2015,
CAN/CSA-C22.2 60601-1-11:2015
Agency Approvals .............. UL, cUL, TUV, CE, CB, PSE;
CCC (for Class I only)

OTHER COMPLIANCE

RoHS, Energy Star 2.0, ErP Stage 2,
DoE Level VI, CoC Tier 2, NRCan &
GEMS Level VI

MODELS LIST

<table>
<thead>
<tr>
<th>Product No. (1)</th>
<th>Output Voltage</th>
<th>Maximum Output Current</th>
<th>Maximum Output Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGM300-12</td>
<td>12V</td>
<td>24A</td>
<td>288W</td>
</tr>
<tr>
<td>TGM300-15</td>
<td>15V</td>
<td>20A</td>
<td>300W</td>
</tr>
<tr>
<td>TGM300-19</td>
<td>19V</td>
<td>15.79A</td>
<td>300W</td>
</tr>
<tr>
<td>TGM300-24</td>
<td>24V</td>
<td>12.5A</td>
<td>300W</td>
</tr>
<tr>
<td>TGM300-48</td>
<td>48V</td>
<td>6.25A</td>
<td>300W</td>
</tr>
<tr>
<td>TGM300-56</td>
<td>56V</td>
<td>5.36A</td>
<td>300W</td>
</tr>
</tbody>
</table>

Note:
1) Add suffix "-4" to the P/N for models comes with IEC 320/C14 AC inlet, "-F" for C18 inlet, e.g. TGM300-12-4, TGM300-12-F, etc.

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MECHANICAL SPECIFICATIONS

Notes:
1. Unit: mm
2. Weight: 1,100 grams approx.
4. Mating connector: Molex P/N: 39-01-2066 with male terminal #5558, #5566, #5569 or equivalent.
5. Length of output cable: 1000mm for 12V~19V models, 1200mm for 24V~56V models.
6. Contact us for output connector options.

OUTPUT CONNECTOR

<table>
<thead>
<tr>
<th>PIN</th>
<th>CONNECTION</th>
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</thead>
<tbody>
<tr>
<td>1,2,3</td>
<td>+V</td>
</tr>
<tr>
<td>4,5,6</td>
<td>RETURN</td>
</tr>
</tbody>
</table>

C14 Inlet (Class I)

C18 Inlet (Class II)