**FEATURES**

* 600W Isolated Output
* Efficiency to 88%
* Regulated Outputs
* Isolated Remote On/Off
* Over Temperature Protection
* Over Voltage/Current Protection
* Continuous Short Circuit Protection
* Full-Brick Size Meet Industry Standard
* Meet EN50155 with External Circuits
* Shock & Vibration Meet EN50155 (EN61373)
* Meet UL60950-1 2nd (Basic Insulation)
* Fire & Smoke Meet EN45545-2

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>INPUT VOLTAGE</th>
<th>OUTPUT VOLTAGE</th>
<th>OUTPUT CURRENT</th>
<th>INPUT CURRENT</th>
<th>% EFF. (3)</th>
<th>CAPACITOR LOAD MAX.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFB600W-110S12</td>
<td>43-160 VDC</td>
<td>12 VDC</td>
<td>0 mA 50 A</td>
<td>25 mA 6.3 A</td>
<td>87</td>
<td>10000µF</td>
</tr>
<tr>
<td>CFB600W-110S24</td>
<td>43-160 VDC</td>
<td>24 VDC</td>
<td>0 mA 25 A</td>
<td>25 mA 6.2 A</td>
<td>88</td>
<td>10000µF</td>
</tr>
<tr>
<td>CFB600W-110S28</td>
<td>43-160 VDC</td>
<td>28 VDC</td>
<td>0 mA 21.4 A</td>
<td>25 mA 6.2 A</td>
<td>88</td>
<td>10000µF</td>
</tr>
<tr>
<td>CFB600W-110S48</td>
<td>43-160 VDC</td>
<td>48 VDC</td>
<td>0 mA 12.5 A</td>
<td>25 mA 6.2 A</td>
<td>88</td>
<td>10000µF</td>
</tr>
</tbody>
</table>

**NOTE:**
1. Nominal Input Voltage 110 VDC.
2. The Output Terminal Required a Minimum Capacitor 470uF to Maintain Specified Regulation.
3. Measure at Nominal Input Voltage.
SPECIFICATIONS

All Specifications Typical At Nominal Line, Full Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS:
Input Voltage Range .............................. 110V ........................ 43 - 160V
Input Surge Voltage (100ms max.) .................. 180Vdc max.
Under Voltage Lockout .............................. Power Up ....... 42V
Power Down ................................... 40V
Opto Isolated Remote On/Off (note8)
Input Filter ...................................... PI Type

OUTPUT SPECIFICATIONS:
Voltage Accuracy ...................................... ±1.0% max.
Transient Response: 25% Step Load Change ............. <500us
External Trim Adj. Range .............................. 60% - 110%
Ripple & Noise, 20MHz BW(note3)
12V .................................. 60mV RMS, 120mV pk-pk max.
24V .................................. 100 mV RMS, 240mV pk-pk max.
28V .................................. 100 mV RMS, 280mV pk-pk max.
48V .................................. 200 mV RMS, 480mV pk-pk max.
Temperature Coefficient ................................ ±0.03%/°C max.
Short Circuit Protection ................................ Continuous
Line Regulation (note1) ................................ ±0.2% max.
Load Regulation (note2) ................................ ±0.5% max.
Over Voltage Protection trip Range .......................... ±115-140%
Current Limit ...................................... ±105-140% Nominal Output
Auxiliary Output Voltage/Current ....................... ±10Vdc/20mA max.
Load Share Accuracy ................................ ±10% at 50% to 100% Full Load
Start up time ...................................... 160ms typ.

NOTE:
1. Measured from high line to low line.
2. Measured from full load to zero load.
3. Output ripple and noise measured with 10uF tantalum capacitor and 1uF ceramic capacitor across output.(48Vo: 10uF aluminum capacitor and 1uF ceramic capacitors)
4. An external input capacitor 220uF for all models are recommended to reduce input ripple voltage.
5. For information about EN50155 and RIA12, refer to application note.
6. Trim-up: connect a resistor between trim pin and +sense.
7. Trim-down: connect a resistor between trim pin and –sense.
8. Standard model is negative logic, suffix “P” to the model number with positive logic. (refer application note)

CASE FB

All Dimensions in Inches[mm]
Tolerance Inches:x.xx=±0.02 , x.xxx=±0.01 ±0.004
Millimeters:x.x=±0.5 , x.xx=±0.25 ±0.1

PIN CONNECTION

PIN NUMBER CONNECTION
1 -V Input
2 +V Input
3 -On/Off
4 +On/Off
5-7 +V Output
8-10 -V Output
11 -Sense
12 +Sense
13 TRIM
14 PC
15 I0C
16 AUX

V10