

PAF600F24-*

SPECIFICATIONS

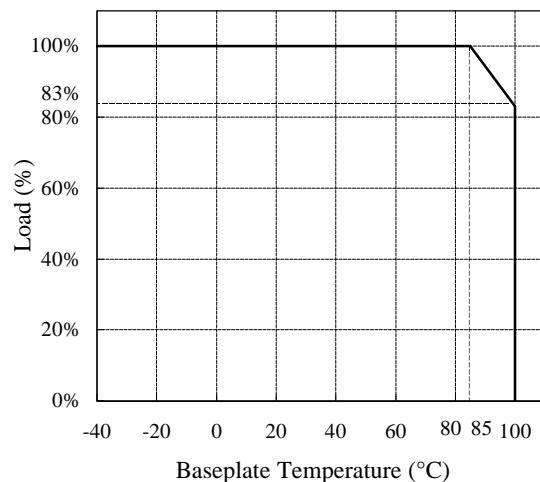
C169-01-01/6

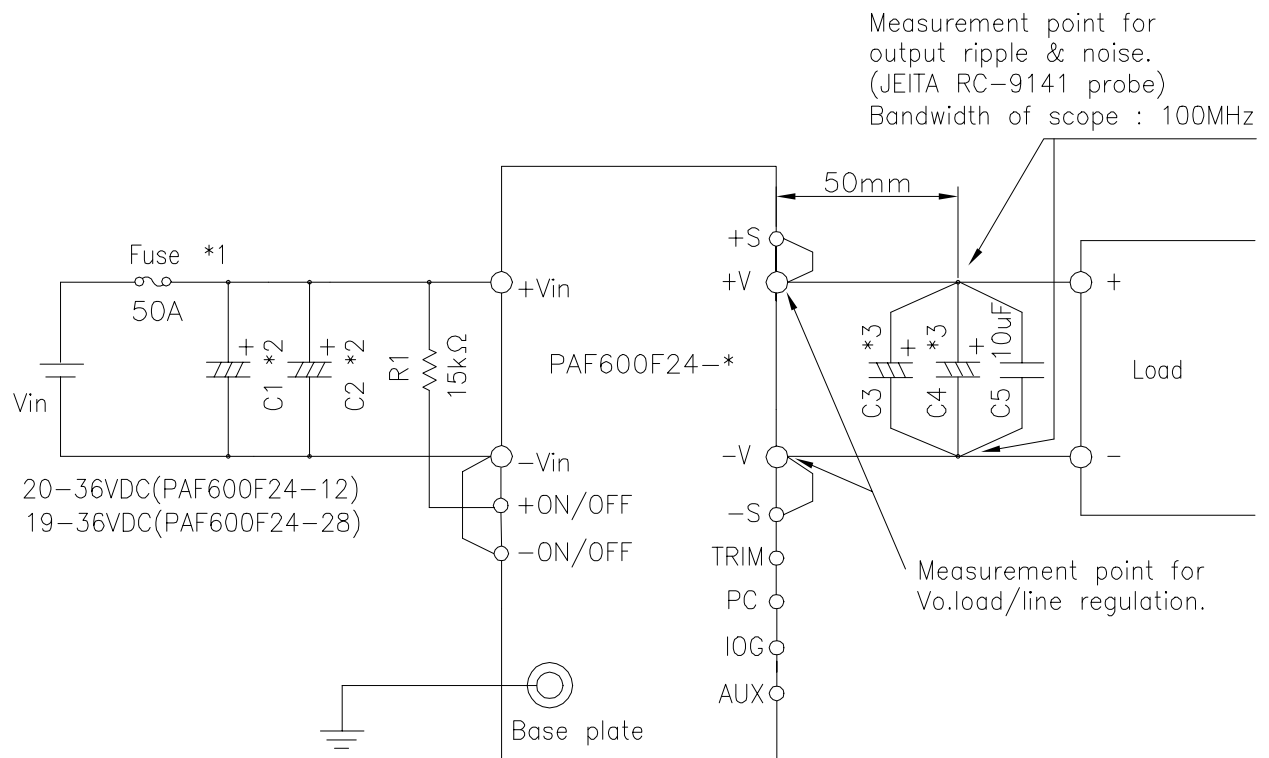
| MODEL | | | PAF600F24-12 | PAF600F24-28 |
|-------|-------------------------|----------|--|--------------|
| ITEMS | | | | |
| 1 | Nominal Output Voltage | V | 12 | 28 |
| 2 | Maximum Output Current | A | 50 | 21.5 |
| 3 | Nominal Output Power | W | 600 | 602 |
| 4 | Efficiency (Typ.) | (*1) % | 89 | 89 |
| 5 | Input Voltage Range | - | 20 - 36VDC | 19 - 36VDC |
| 6 | Input Current (Typ.) | (*2) A | 28.9 | 28.9 |
| 7 | Output Voltage Accuracy | (*2) % | ±1 | |
| 8 | Output Voltage Range | (*10) - | -40%, +10% | |
| 9 | Maximum Ripple & Noise | (*10) mV | 200 | 280 |
| 10 | Maximum Line Regulation | (*3) mV | 24 | 56 |
| 11 | Maximum Load Regulation | (*4) mV | 24 | 56 |
| 12 | Over Current Protection | (*5) - | 105% - 140% | |
| 13 | Over Voltage Protection | (*6) - | 115% - 135% | |
| 14 | Remote Sensing | (*9) - | Possible | |
| 15 | Remote ON/OFF Control | (*9) - | Possible (SHORT:ON OPEN:OFF) | |
| 16 | Parallel Operation | (*9) - | Possible | |
| 17 | Series Operation | (*9) - | Possible | |
| 18 | I.O.G. Signal | (*9) - | Possible (Open Collector Output) | |
| 19 | Operating Temperature | (*7) - | -40°C - +100°C(Baseplate) Ambient Temperature min=-40°C | |
| 20 | Operating Humidity | - | 30 - 95%RH (No Dewdrop) | |
| 21 | Storage Temperature | - | -40°C - +100°C | |
| 22 | Storage Humidity | - | 10 - 95%RH (No Dewdrop) | |
| 23 | Cooling | (*8) - | Conduction Cooled | |
| 24 | Temperature Coefficient | - | 0.02%/°C | |
| 25 | Withstand Voltage | - | Input-Baseplate : 1.5kVDC, Input-Output : 1.5kVDC for 1min. Output-Baseplate : 500VDC for 1min. | |
| 26 | Isolation Resistance | - | More than 100MΩ at 25°C and 70%RH Output-Baseplate...500VDC | |
| 27 | Vibration | - | At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s ²) X,Y,Z 1 Hour each | |
| 28 | Shock | - | 196.1m/s ² | |
| 29 | Weight (Typ.) | g | 250 | |
| 30 | Size (WxHxD) | mm | 61 x 12.7 x 116.8 (Refer to Outline Drawing) | |

=NOTES=

- *1. At 24VDC, 80% of Maximum Output Current and Baseplate Temperature = +25°C.
- *2. At 24VDC and Maximum Output Current.
- *3. 20 - 36VDC, Constant Load.(PAF600F24-12)
19 - 36VDC, Constant Load.(PAF600F24-28)
- *4. No load - Full load, Constant input voltage.
- *5. Constant current limiting with automatic recovery.
- *6. Inverter shutdown method, Manual Reset.
- *7. Ratings - Refer to Derating Curve on the Right.
- Load(%) is Percent of Maximum Output Current.
- *8. Heatsink has to be Chosen According to Instruction Manual.
- *9. Refer to Instruction Manual.
- *10. External Components are Needed for Operation.
(Refer to Basic Connection and Instruction Manual)

Derating Curve





==NOTE==

- *1. Use external fuse of fast blow type, for each unit.
- *2. Put input capacitor, C1 and C2, more than 560uF each.
If the ambient temperature is less than -20°C ,
use twice of the recommended capacitor above.
If the impedance of input line is high,
C1 and C2 capacitance must be more than above.
- *3. Put output capacitor, C3 and C4 (12V: more than 470uF,
28V: more than 220uF.)
If the ambient temperature is less than -20°C ,
use twice of the recommended capacitor value above.
- *4. Refer to instruction manual for further details.

| | |
|----------------------|-----------|
| MODEL NAME | PAF600F24 |
| DENSEI-LAMBDA | |