

*Make sure necessary tests will be carried out on your end equipment with the power supply installed in accordance with any required EMC/EMI regulations.

SPECIFICATIONS

| | MODEL | | PJA1000F-24 | PJA1000F-48 | |
|-------------|---|----------------|---|---|--|
| | VOLTAGE[V] | | AC85 - 264 1 ϕ (Output derating is required at AC85V - 115 | V. See 1.1 and 3.2 in Instruction Manual) | |
| INPUT | | ACIN 100V | | | |
| | CURRENT[A] | ACIN 115V | | | |
| | | ACIN 230V | | | |
| | FREQUENCY[Hz] | | 50 / 60 (47 - 63) | | |
| | | ACIN 100V | 84typ (lo=90%) | 84typ (lo=90%) | |
| | EFFICIENCY[%] | ACIN 115V | 85typ (lo=100%) | 85typ (lo=100%) | |
| | | ACIN 230V | 88typ (lo=100%) | 88typ (lo=100%) | |
| | POWER FACTOR | ACIN 100V | 0.98typ (lo=90%) | | |
| | | ACIN 115V | | | |
| | | ACIN 230V | 0.95typ (lo=100%) | | |
| | INRUSH CURRENT[A] | ACIN 100V | 15/30typ (Io=90%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start) | | |
| | | ACIN 115V | 15/30typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start) | | |
| | | ACIN 230V | 30/30typ (lo=100%) (Primary inrush current /Secondary inrush current) (More than 10sec to re-start) | | |
| | LEAKAGE CURRENT[mA] | | 1.5max (ACIN 240V, 60Hz, Io=100%, According to IEC62368-1 and DEN-AN) | | |
| | VOLTAGE[V] | | 24 | 48 | |
| | CURRENT[A] | ACIN 85-115V | Output derating is required at ACIN 115V or less (refer to in | struction manual 3.2) | |
| | | ACIN 115V-264V | 42 | 21 | |
| | | ACIN 85-115V | Output derating is required at ACIN 115V or less (refer to in | struction manual 3.2) | |
| | | ACIN 115V-264V | 1008 | 1008 | |
| | LINE REGULATION[mV] *2 | | 96max | 192max | |
| | LOAD REGULATION[mV] *2 | | 150max | 300max | |
| | RIPPLE[mVp-p] | | 120max | 200max | |
| | | -20 to 0℃ | 160max | 500max | |
| OUTPUT | RIPPLE NOISE[mVp-p] *1 TEMPERATURE REGULATION[mV] | 0 to +50℃ | 150max | 300max | |
| | | -20 to 0℃ | 180max | 600max | |
| | | 0 to +50℃ | 240max | 480max | |
| | | -20 to +50°C | 290max | 600max | |
| | DRIFT[mV] | *3 | 96max | 192max | |
| | START-UP TIME[ms] | | 800typ (ACIN 115V, Io=100%) | 1 | |
| | HOLD-UP TIME[ms] | | 20typ (ACIN 115V, Io=100%) | | |
| | OUTPUT VOLTAGE ADJUSTMENT RANGE[V] | | | 40.80 to 55.20 | |
| | OUTPUT VOLTAGE SETTING[V] | | 24.00 to 24.96 | 48.00 to 49.92 | |
| PROTECTION | OVERCURRENT PROTECTION | | Works over 105% of rating and recovers automatically | | |
| CIRCUIT AND | OVERVOLTAGE PROTECTION[V] | | 28.80 to 34.80 | 57.00 to 67.20 | |
| OTHERS | OPERATING INDICATION | | LED (Green) | | |
| | INPUT-OUTPUT | | AC3,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature) | | |
| ISOLATION | INPUT-FG | | AC2,000V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At room temperature) | | |
| | OUTPUT-FG | | AC500V 1minute, Cutoff current = 100mA, DC500V 50M Ω min (At room temperature) | | |
| | OPERATING TEMP HUMID.AND ALTITUDE *4 | | -20 to +70°C (Output derating is required), 20 - 90%RH (Non condensing), 3.000m (10.000 feet) max | | |
| | STORAGE TEMP., HUMID.AND ALTITUDE | | -20 to +75°C, 20 - 90%RH (Non condensing), 9,000m (30,000 feet) max | | |
| INVIRONMENT | VIBRATION | | 10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axes | | |
| | IMPACT | | 196.1m/s ² (20G), 11ms, once each X, Y and Z axes | | |
| SAFETY AND | AGENCY APPROVALS | | UL62368-1, C-UL (CSA62368-1), EN62368-1 Complies with DEN-AN | | |
| NOISE | CONDUCTED NOISE | | Complies with FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B | | |
| REGULATIONS | HARMONIC ATTENU | | | | |
| | HAIMONIC ATTENDATOR *3 | | | | |



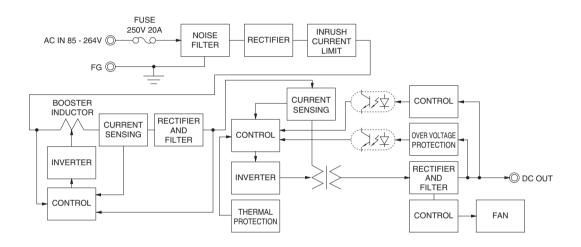
SPECIFICATIONS

| OTHERS | CASE SIZE/WEIGHT | 150×61×240mm [5.91×2.40×9.45 inches] (Excluding terminal block and screw) (W×H×D) / 2.8kg max | | | |
|---|--|--|--|--|--|
| OTHERS | COOLING METHOD *6 | Forced cooling (internal fan) | | | |
| WARRANTY | WARRANTY *7 | 5 years (subject to the operating conditions) | | | |
| 22 µ F and MHz oscillo RM103. See 1.6 of I | esult of measurement of the testing board with 0.1 µ F placed at 150 mm from the output termi scope or a ripple-noise meter equivalent to Kei nstruction Manual for more details. about dynamic load and input response. | nals by a 20 warm-up at 25°C. input voltage ranges. Otherwise the internal components may be damaged | | | |

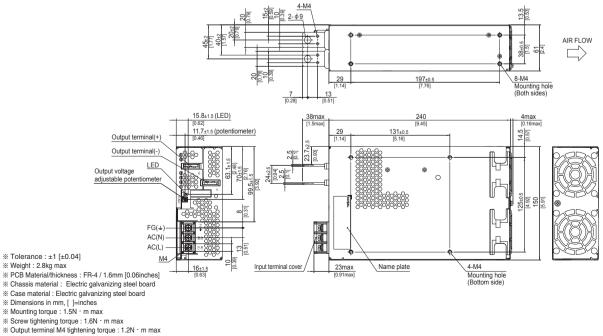
Features

- · Cost-effective
- · Longer life (see Instruction Manual)
- · Low profile (meets 2U height = 61 mm or 2.4 inches)
- · Wide operating temperature range (-20°C to +70°C see instruction manual)
- · Stop or slow fan speed at no load

Block diagram



External view



* Connect the input FG to safety earth ground.