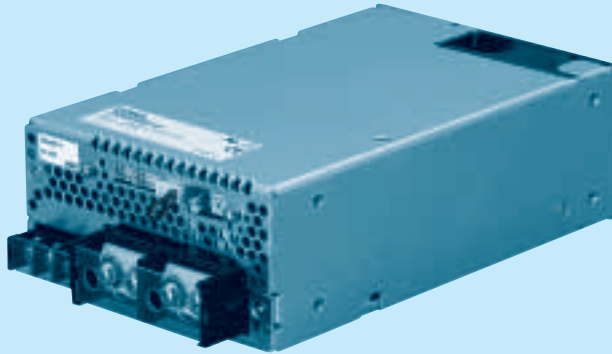




- ① Series name  
 ② Output wattage  
 ③ Universal input  
 ④ Output voltage  
 ⑤ Optional  
 C :with Coating  
 G :Low leakage current  
 U :Operation stop voltage  
   is set at a lower value  
 F1 :With Long-Life fan  
 F3 :Reverse air exhaust  
   type  
 F4 :Low speed fan

Refer to instruction manual  
 7.1

| MODEL                 | PBA600F-3R3  | PBA600F-5 | PBA600F-7R5 | PBA600F-12 | PBA600F-15 | PBA600F-24 | PBA600F-36  | PBA600F-48 |
|-----------------------|--------------|-----------|-------------|------------|------------|------------|-------------|------------|
| MAX OUTPUT WATTAGE[W] | 396          | 600       | 600         | 636        | 645        | 648        | 648         | 624        |
| DC OUTPUT             | ACIN 100V    | 3.3V 120A | 5V 120A     | 7.5V 80A   | 12V 53A    | 15V 43A    | 24V 27A     | 36V 18A    |
|                       | ACIN 200V *3 | 3.3V 120A | 5V 120A     | 7.5V 80A   | 12V 53A    | 15V 43A    | 24V 27(31)A | 36V 18A    |

## SPECIFICATIONS

|                                     | MODEL                              |                                                                               | PBA600F-3R3                                                                                                                                 | PBA600F-5                                                                     | PBA600F-7R5  | PBA600F-12    | PBA600F-15    | PBA600F-24    | PBA600F-36    | PBA600F-48    |        |
|-------------------------------------|------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|--------|
| INPUT                               | VOLTAGE[V]                         |                                                                               | AC85 - 264 1ϕ or DC120 - 350                                                                                                                |                                                                               |              |               |               |               |               |               |        |
|                                     | CURRENT[A]                         | ACIN 100V                                                                     | 5.8typ                                                                                                                                      | 8.2typ                                                                        |              |               |               |               |               |               |        |
|                                     |                                    | ACIN 200V                                                                     | 3typ                                                                                                                                        | 4.1typ                                                                        |              |               |               |               |               |               |        |
|                                     | FREQUENCY[Hz]                      |                                                                               | 50/60 (47 - 63)                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
|                                     | EFFICIENCY[%]                      | ACIN 100V                                                                     | 70typ                                                                                                                                       | 75typ                                                                         | 76typ        | 79typ         | 79typ         | 81typ         | 82typ         | 81typ         |        |
|                                     |                                    | ACIN 200V                                                                     | 72typ                                                                                                                                       | 77typ                                                                         | 79typ        | 82typ         | 82typ         | 84typ         | 84typ         | 83typ         |        |
|                                     | POWER FACTOR                       | ACIN 100V                                                                     | 0.98typ (Io=100%)                                                                                                                           |                                                                               |              |               |               |               |               |               |        |
|                                     |                                    | ACIN 200V                                                                     | 0.95typ (Io=100%)                                                                                                                           |                                                                               |              |               |               |               |               |               |        |
|                                     | INRUSH CURRENT[A]                  | ACIN 100V                                                                     | 20/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)                                        |                                                                               |              |               |               |               |               |               |        |
|                                     |                                    | ACIN 200V                                                                     | 40/40typ (Io=100%) (Primary inrush current /Secondary inrush current) (More than 3 sec. to re-start)                                        |                                                                               |              |               |               |               |               |               |        |
|                                     | LEAKAGE CURRENT[mA]                |                                                                               | 0.45/0.75max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1)                                                                        |                                                                               |              |               |               |               |               |               |        |
| OUTPUT                              | VOLTAGE[V]                         |                                                                               | 3.3                                                                                                                                         | 5                                                                             | 7.5          | 12            | 15            | 24            | 36            | 48            |        |
|                                     | CURRENT[A]                         | ACIN 100V                                                                     | 120                                                                                                                                         | 120                                                                           | 80           | 53            | 43            | 27            | 18            | 13            |        |
|                                     |                                    | ACIN 200V *3                                                                  | 120                                                                                                                                         | 120                                                                           | 80           | 53            | 43            | 27(31)        | 18            | 13            |        |
|                                     | LINE REGULATION[mV]                |                                                                               | 20max                                                                                                                                       | 20max                                                                         | 36max        | 48max         | 60max         | 96max         | 144max        | 192max        |        |
|                                     | LOAD REGULATION[mV]                |                                                                               | 40max                                                                                                                                       | 40max                                                                         | 60max        | 100max        | 120max        | 150max        | 150max        | 300max        |        |
|                                     | RIPPLE[mVp-p]                      | 0 to +50℃ *1                                                                  | 80max                                                                                                                                       | 80max                                                                         | 120max       | 120max        | 120max        | 120max        | 150max        | 150max        |        |
|                                     |                                    | -20 - 0℃ *1                                                                   | 140max                                                                                                                                      | 140max                                                                        | 160max       | 160max        | 160max        | 160max        | 160max        | 400max        |        |
|                                     | RIPPLE NOISE[mVp-p]                | 0 to +50℃ *1                                                                  | 120max                                                                                                                                      | 120max                                                                        | 150max       | 150max        | 150max        | 150max        | 200max        | 200max        |        |
|                                     |                                    | -20 - 0℃ *1                                                                   | 160max                                                                                                                                      | 160max                                                                        | 180max       | 180max        | 180max        | 180max        | 240max        | 500max        |        |
|                                     | TEMPERATURE REGULATION[mV]         | 0 to +50℃ *1                                                                  | 40max                                                                                                                                       | 50max                                                                         | 75max        | 120max        | 150max        | 240max        | 360max        | 480max        |        |
|                                     |                                    | -20 to +50℃ *1                                                                | 60max                                                                                                                                       | 75max                                                                         | 120max       | 180max        | 180max        | 290max        | 440max        | 600max        |        |
|                                     |                                    |                                                                               | *2                                                                                                                                          | 12max                                                                         | 20max        | 30max         | 48max         | 60max         | 96max         | 144max        | 192max |
|                                     | DRIFT[mV]                          |                                                                               |                                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
|                                     | START-UP TIME[ms]                  |                                                                               | 400typ(ACIN 100/200V, Io=100%) Start-up time is 500ms typ for less than 1minute of applying input again from turning off the input voltage. |                                                                               |              |               |               |               |               |               |        |
| HOLD-UP TIME[ms]                    |                                    | 20typ (ACIN 100/200V, Io=100%)                                                |                                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
| PROTECTION<br>CIRCUIT AND<br>OTHERS | OUTPUT VOLTAGE ADJUSTMENT RANGE[V] |                                                                               | 2.64 - 3.96                                                                                                                                 | 3.96 - 6.00                                                                   | 5.25 - 8.25  | 8.25 - 13.20  | 10.50 - 16.50 | 16.50 - 26.40 | 25.20 - 39.60 | 38.40 - 56.00 |        |
|                                     | OUTPUT VOLTAGE SETTING[V]          |                                                                               | 3.30 - 3.40                                                                                                                                 | 5.00 - 5.15                                                                   | 7.50 - 7.80  | 12.00 - 12.48 | 15.00 - 15.60 | 24.00 - 24.96 | 36.00 - 37.44 | 48.00 - 49.92 |        |
|                                     | OVERCURRENT PROTECTION             |                                                                               | Works over 105% of rated current or 101% of peak current and recovers automatically                                                         |                                                                               |              |               |               |               |               |               |        |
|                                     | OVERVOLTAGE PROTECTION[V] *4       |                                                                               | Vo+0.66 - 1.32                                                                                                                              | Vo+1.0 - 2.0                                                                  | Vo+1.5 - 3.0 | Vo+2.4 - 4.8  | Vo+3.0 - 6.0  | Vo+4.8 - 9.6  | Vo+7.2 - 14.4 | Vo+4.8 - 12.0 |        |
|                                     | OPERATING INDICATION               |                                                                               | LED (Green)                                                                                                                                 |                                                                               |              |               |               |               |               |               |        |
|                                     | REMOTE SENSING                     |                                                                               | Provided                                                                                                                                    |                                                                               |              |               |               |               |               |               |        |
|                                     | REMOTE ON/OFF                      |                                                                               | Provided                                                                                                                                    |                                                                               |              |               |               |               |               |               |        |
|                                     | ISOLATION                          | INPUT-OUTPUT · RC                                                             |                                                                                                                                             | AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature) |              |               |               |               |               |               |        |
| INPUT-FG                            |                                    | AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature) |                                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
| OUTPUT · RC · AUX-FG                |                                    | AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)  |                                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
| OUTPUT-RC · AUX                     |                                    | AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩmin (At Room Temperature)  |                                                                                                                                             |                                                                               |              |               |               |               |               |               |        |
| ENVIRONMENT                         | OPERATING TEMP.,HUMID.AND ALTITUDE |                                                                               | -20 to +71℃, 20 - 90%RH (Non condensing) 3.000m (10,000feet) max                                                                            |                                                                               |              |               |               |               |               |               |        |
|                                     | STORAGE TEMP.,HUMID.AND ALTITUDE   |                                                                               | -20 to +75℃, 20 - 90%RH (Non condensing) 3.000m (10,000feet) max                                                                            |                                                                               |              |               |               |               |               |               |        |
|                                     | VIBRATION                          |                                                                               | 19.6m/s² (2G), 10 - 55Hz, 3minutes period, 60minutes each along X, Y and Z axis                                                             |                                                                               |              |               |               |               |               |               |        |
| SAFETY AND<br>NOISE<br>REGULATIONS  | IMPACT                             |                                                                               | 196.1m/s² (20G), 11ms, once each X, Y and Z axis                                                                                            |                                                                               |              |               |               |               |               |               |        |
|                                     | AGENCY APPROVALS                   |                                                                               | UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN (At only AC input)                                                     |                                                                               |              |               |               |               |               |               |        |
|                                     | CONDUCTED NOISE                    |                                                                               | Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B                                                                    |                                                                               |              |               |               |               |               |               |        |
|                                     | CE MARKING                         |                                                                               | Low Voltage Directive, EMC Directive                                                                                                        |                                                                               |              |               |               |               |               |               |        |
|                                     | HARMONIC ATTENUATOR                |                                                                               | Complies with IEC61000-3-2                                                                                                                  |                                                                               |              |               |               |               |               |               |        |
| OTHERS                              | CASE SIZE/WEIGHT                   |                                                                               | 120×61×190mm (without terminal block and screw) (W×H×D) /1.6kg max                                                                          |                                                                               |              |               |               |               |               |               |        |
|                                     | COOLING METHOD                     |                                                                               | Forced cooling (internal fan)                                                                                                               |                                                                               |              |               |               |               |               |               |        |

\*1 Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN : RM101).

\*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.

\*3 () means peak current. Peak loading for 10s. And Duty 35% max, refer to Instruction manual in detail.

\*4 Overvoltage protection circuit to follow to output voltage setting.

\* A sound may occur from power supply at pulse loading.