

## PSF600-S SPECIFICATIONS

|                       | MODEL                          | PSF600-3R3                                                                                        | PSF600-05            | PSF600-09 | PSF600-12 | PSF600-15 | PSF600-24 | PSF600-48 |
|-----------------------|--------------------------------|---------------------------------------------------------------------------------------------------|----------------------|-----------|-----------|-----------|-----------|-----------|
| INPUT                 | VOLTAGE, FREQUENCY             | AC100-240V (AC85~264V or DC120~370V), 50/60Hz (47~63Hz or DC)                                     |                      |           |           |           |           |           |
|                       | CURRENT                        | 110V~5.8A<br>220V~3.0A                                                                            | 110V~8.2A, 220V~4.1A |           |           |           |           |           |
|                       | POWER FACTOR                   | 110V~0.98typ, 220V~0.95typ                                                                        |                      |           |           |           |           |           |
|                       | EFFICIENCY (AC220V)            | 72% typ                                                                                           | 77% typ              | 79% typ   | 82% typ   | 82% typ   | 84% typ   | 83% typ   |
|                       | INRUSH CURRENT                 | 20A typ(ACIN 110V, I <sub>c</sub> =100%), 40A typ(ACIN 220V, I <sub>c</sub> =100%) at cold start. |                      |           |           |           |           |           |
| OUTPUT                | VOLTAGE [V]                    | 3.3                                                                                               | 5                    | 9         | 12        | 15        | 24        | 48        |
|                       | CURRENT [A]                    | 120                                                                                               | 120                  | 67        | 53        | 43        | 27        | 13        |
|                       | REGULATION, LINE [mV]          | 25 Max                                                                                            | 25 Max               | 45 Max    | 60 Max    | 75 Max    | 120 Max   | 240 Max   |
|                       | REGULATION, LOAD [mV]          | 50 Max                                                                                            | 50 Max               | 90 Max    | 120 Max   | 150 Max   | 240 Max   | 480 Max   |
|                       | RIPPLE [mVp-p]                 | 80 Max                                                                                            | 80 Max               | 120 Max   | 120 Max   | 120 Max   | 120 Max   | 150 Max   |
|                       | RIPPLE, NOISE [mVp-p]          | 120 Max                                                                                           | 120 Max              | 150 Max   | 150 Max   | 150 Max   | 150 Max   | 250 Max   |
|                       | TEMPERATURE DRIFT 0~+50°C [mV] | 50 Max                                                                                            | 75 Max               | 135 Max   | 180 Max   | 225 Max   | 360 Max   | 720 Max   |
|                       | RISE TIME [ms]                 | 500 Max (ACIN 110V, I <sub>c</sub> =100%)                                                         |                      |           |           |           |           |           |
|                       | HOLDING TIME [ms]              | 20 typ (ACIN 110V, I <sub>c</sub> =100%)                                                          |                      |           |           |           |           |           |
| PROTECTION CIRCUIT    | OVER CURRENT PROTECTION        | Works at over 105% of rating and recovers automatically                                           |                      |           |           |           |           |           |
|                       | OVER VOLTAGE PROTECTION        | Works at 115~140% of rating                                                                       |                      |           |           |           |           |           |
| ELECTRICALLY ISOLATED | INPUT-OUTPUT                   | AC3,000V 1 minute current 10mA, DC 500V 50MΩ (At room temperature & Humidity)                     |                      |           |           |           |           |           |
|                       | INPUT-CASE, FG                 | AC2,000V 1 minute current 10mA, DC 500V 50MΩ (At room temperature & Humidity)                     |                      |           |           |           |           |           |
|                       | OUTPUT-CASE, FG                | AC500V 1 minute current 100mA, DC 500V 50MΩ (At room temperature & Humidity)                      |                      |           |           |           |           |           |
| ENVIRONMENT           | OPERATING TEMP AND HUMID       | -10~50°C: 100%, 50~60°C: 70%, 20~90% RH(Non Condensing)                                           |                      |           |           |           |           |           |
|                       | STORAGE TEMPAND HUMID          | -20~+75°C, 20~90% RH(Non Condensing)                                                              |                      |           |           |           |           |           |
|                       | VIBRATION                      | 10~55Hz at 1G, 3 minutes period, 30 minutes along X, Y and Z axis                                 |                      |           |           |           |           |           |
|                       | IMPACT                         | 10G for 20ms, Once on each X, Y and Z axis                                                        |                      |           |           |           |           |           |
| SAFETY                | SAFETY REGULATION              | UL, C-UL, CE, CB                                                                                  |                      |           |           |           |           |           |
|                       | LINE CONDUCTED RF VOLTAGE      | Complied with FCC Part 15, VCCI-B, CISPR22-B, EN55022-B                                           |                      |           |           |           |           |           |
|                       | HARMONIC ATTENUATOR            | Complied with IEC61000-3-2                                                                        |                      |           |           |           |           |           |

## PSF600-S EXTERNAL VIEW

