

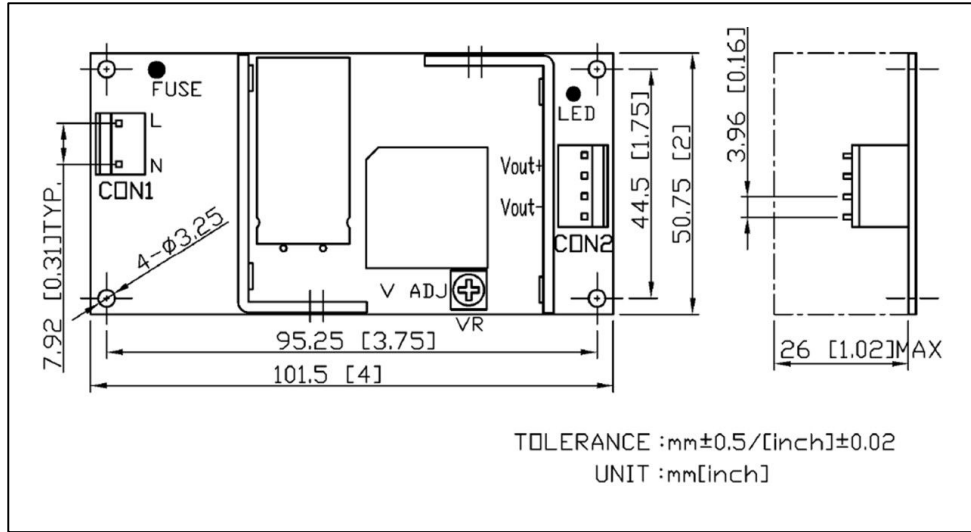
### ■ Main Features

- ] Standard 50.75x101.5mm (2"x4") footprint design
- ] Suitable for Network System, Telecommunication System, Storage System, Industrial Application and Consumer Electronics
- ] Output Power up to 50W
- ] With high variety of Output Voltage from 3.3Vdc to 56Vdc

**TECHNICAL DATA**

Model type	S0	S1	SY	S2	S3	S4	SR	S6	S5	S7
<b>OUTPUT DATA</b>										
Rated voltage	3.3Vdc	5Vdc	9Vdc	12Vdc	15Vdc	24Vdc	30Vdc	36Vdc	48Vdc	56Vdc
Adj. output voltage range [Vdc]	3.20...3.39	4.85...5.15	8.73...9.27	11.64...12.36	14.55...15.45	23.28...24.72	29.1...30.9	34.92...37.08	46.56...49.44	54.32...57.68
Continuous current	6.0A		4.2A	4.2A	3.0A	2.1A	1.6A	1.35A	1.05A	0.8A
Overload limit	110%...200%									
Line regulation	±0.5%									
Load regulation	±3%									
Ripple & Noise <sup>1</sup>	66mVpp	75mVpp	90mVpp	120mVpp	150mVpp	240mVpp	300mVpp	360mVpp	480mVpp	560mVpp
Hold up time Vin = 115Vac	≥ 16ms									
Protections	<ul style="list-style-type: none"> <li>▪ Overload/short circuit: Hiccup mode/Auto-recovery</li> <li>▪ Output overvoltage : Latch Off (140%)</li> </ul>									
Status Signals	<ul style="list-style-type: none"> <li>▪ Green LED</li> </ul>									
<b>INPUT DATA</b>										
Input AC rated voltage Frequency	Nominal: 115...230Vac Range: 90...264Vac 47...63Hz									
Input AC rated current Vin = 115Vac Vin = 230Vac	1.0A 0.7A									
Inrush peak current Vin = 115Vac Vin = 230Vac	≤ 40A ≤ 65A									
Touch (leakage) current	≤ 3.5mA									
Internal protection fuse	Yes (not user replaceable)									
<b>GENERAL DATA</b>										
Efficiency	> 70%	> 75%	> 80%	> 82%	> 82%	> 82%	> 84%	> 84%	> 85%	> 87%
Output power	19.8W	30W	37.8W	50W	45W	50W	48W	48.6W	50W	44.8W
Operating temperature	- 40°C...+ 50°C									
Storage temperature	- 40°C...+ 85°C									
Humidity	5...95% r.H. non condensing									
Overvoltage category Pollution degree	<ul style="list-style-type: none"> <li>▪ EN50178 III</li> <li>▪ IEC60664-1 2</li> </ul>									
Protection Class	<ul style="list-style-type: none"> <li>▪ CLASS I</li> </ul>									
Input / output isolation	4.2kVdc									
Input / Earth	2.6kVdc									
Safety Standards	<ul style="list-style-type: none"> <li>▪ UL950 (Certified Model: S1,S2,S4,S5)</li> <li>▪ CB IEC60950-1 (Certified all Models)</li> <li>▪ TUV EN60950-1 (Certified all Models)</li> <li>▪ FCC (Certified all Models)</li> </ul>									
EMC Emission	<ul style="list-style-type: none"> <li>▪ EN55022 (CISPR22) Class B</li> <li>▪ EN61000-3-2 Class D</li> </ul>									
EMC Immunity	<ul style="list-style-type: none"> <li>▪ EN61000-4-2 Level 3</li> <li>▪ EN61000-4-3 Level 2</li> <li>▪ EN61000-4-4 Level 3</li> <li>▪ EN61000-4-5 Level 3</li> <li>▪ EN61000-4-11 Level 2</li> </ul>									
Connection Input terminals	Molex 09-65-2038 or Equivalent parts Mating type = Molex 09-52-4034 or Equivalent									
Connection Output terminals	Molex 09-65-2048 or Equivalent parts Mating type = Molex 09-52-4044 or Equivalent									
Weight	0.135kg									
Size (W x H x D)	50.75 x 101.5 x 26.0mm									
1) Ripple and Noise are measured with 20MHz bandwidth, probe terminated with a 22uF electrolytic Capacitor in parallel with a 0.1uF ceramic capacitor.										
<b>Notes:</b>										
- Technical parameters are typical, measured in laboratory environment at 25°C and 230Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.										
- Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.										
- Data may change without prior notice in order to improve the product.										

**DIMENSIONS**



**CONNECTION**

**Input Connection:  
CON1**

- Single phase:
- PIN1 = Line
  - PIN2 = Neutral

**Output Connection:  
CON2**

- PIN1 = Positive DC
- PIN2 = Positive DC
- PIN3 = Negative DC
- PIN4 = Negative DC