



**Features :**

- Supports 90 - 264 VAC / 127 - 373 VDC
- Efficiencies up to 89 %
- - 40°C to + 70°C Operating Temperature
- Compact size and 1U low profile
- Protection against short circuit, overload & overvoltage
- Cooling by free air convection

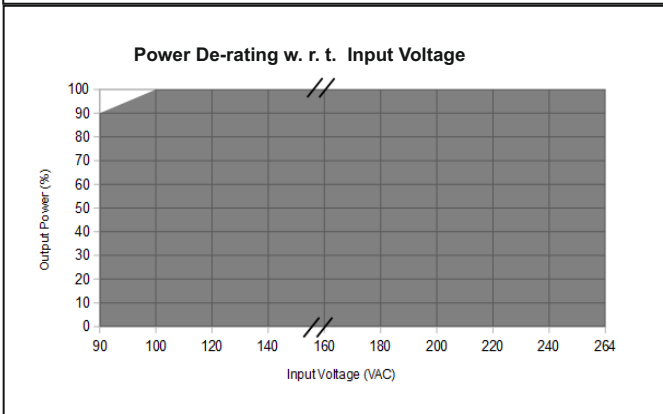
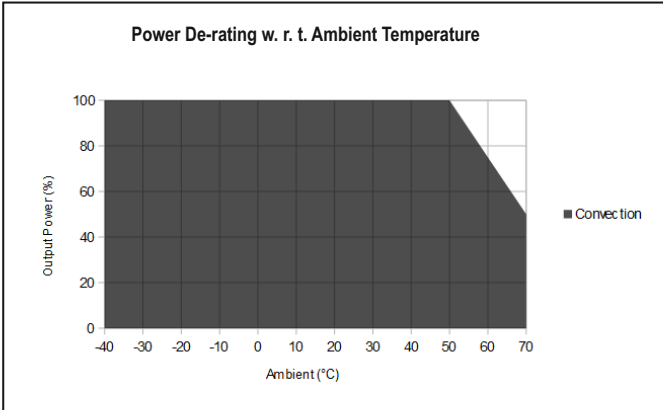
**SPECIFICATIONS:**

MODEL		TPS120-12	TPS120-24	TPS120-48
OUTPUT	NOMINAL DC VOLTAGE	12 V	24 V	48 V
	RATED CURRENT	8 A	5 A	2.5 A
	RATED POWER	96 W	120 W	120 W
	RIPPLE & NOISE (max)	< 1 % of Vout	< 1 % of Vout	< 1 % of Vout
	VOLTAGE ADJ. RANGE	12 V to 14 V	24 V to 28 V	48 V to 56 V
	VOLTAGE TOLERANCE		± 1 %	
	LINE REGULATION		± 1 %	
	LOAD REGULATION		± 1 %	
	TURN ON TIME		< 1 sec @ 230 VAC & < 3 sec @ 115 VAC, Full load	
	HOLD UP TIME		≥ 60 ms at 230 VAC & ≥ 10 ms at 115 VAC, Full load	
	RISE TIME		< 100 ms	
INPUT	VOLTAGE RANGE	90 - 264 VAC / 127- 373 VDC		
	FREQUENCY RANGE	47 - 63 Hz		
	EFFICIENCY @ 230 VAC	Up to 89 %		
	AC CURRENT	2.2 A @ 115 VAC; 1.5 A @ 230 VAC		
	INRUSH CURRENT	< 60 Amps; Measured at 264 VAC, 25°C Ambient, Cold start		
	LEAKAGE CURRENT	< 1 mA; 264 VAC input		
	NO LOAD POWER CONSUMPTION	< 0.5 W; 115 VAC input		
PROTECTION	OVERLOAD	> 110 % of rated output current; Hiccup mode; Autorecovery type.		
	OVERVOLTAGE	17 VDC ± 1 VDC	31.5 VDC ± 1 VDC	61 VDC ± 2 VDC
	OUTPUT SHORT CIRCUIT	Latched type; Input AC power to be recycle to recover the power supply Hiccup mode when output is shorted; Autorecovery type.		
ENVIRONMENT	OPERATING TEMP	- 40°C to + 70°C; De-rate linearly above 50°C from 100 % load at 50°C to 50 % load at 70°C, - 40°C to 0°C startup is guaranteed with spec deviation ( Output ripple can be more than 10 % of the output voltage. )		
	STORAGE TEMP	- 40°C to + 85°C		
	COOLING	Natural convection cooled		
	HUMIDITY	5 to 95 % RH, Non condensing		
	ALTITUDE	2000 m		
	VIBRATION	Component: 10 ~ 500 Hz, 2 G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes		
SAFETY & EMC	DIELECTRIC WITHSTAND VOLTAGE	I/P to Earth : 2500 VAC I/P to O/P : 4000 VAC O/P to Earth : 1500 VAC		
MECHANICAL	DIMENSION	129 x 97 x 30 mm ( L x W x H )		
	WEIGHT	< 340 gms		
	MOUNTING	Table Top		

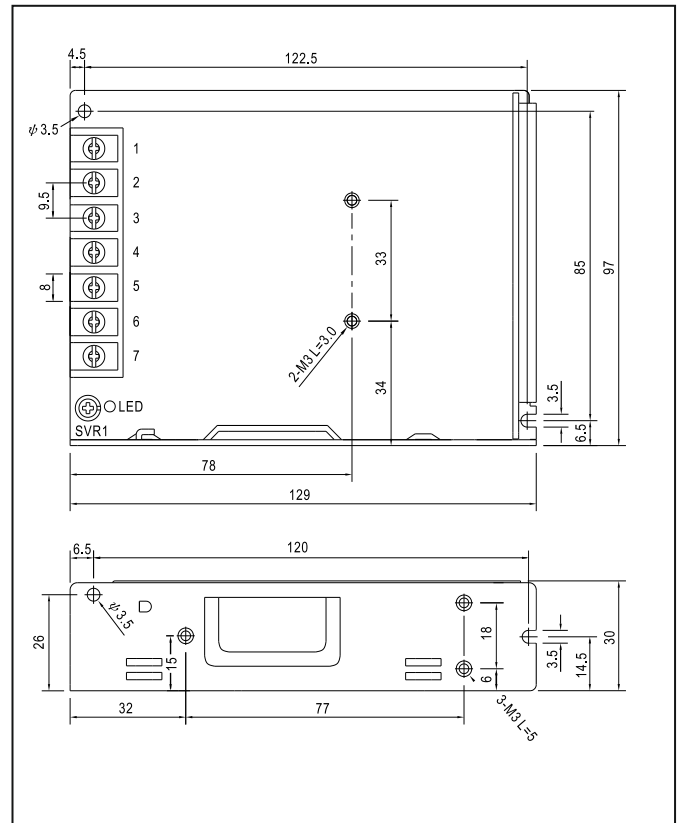
### Connectors details

Ref Des	Description	Type	Pin number	Function
TRL1	Input AC / DC connector	GOOSVN:GSA45S -9.5-07P-1Y-00A(H)	1	AC Line
			2	AC Neutral
	Earth		3	Earth
	Output DC connector		4,5	V1 Positive
			6,7	V1 Negative

### De-rating curve



### Mechanical dimensions



### Ordering information

Product Code	Description	Certification
<b>TPS120-12</b>	96 W, 12 V / 8 A Table Top Power Supply in metal body.	<b>NA</b>
<b>TPS120-24</b>	120 W, 24V / 5 A Table Top Power Supply in metal body.	<b>NA</b>
<b>TPS120-48</b>	120 W, 48 V / 2.5 A Table Top Power Supply in metal body.	<b>NA</b>