






❖ **Feature**

- Universal/ Standard AC Input
- Cooling by Natural air / Forced Cooled
- Protections: Short circuit / Overload / Over voltage/Over Temp.
- Voltage setting for few Models
- LED indicator for power on
- 100% full load burn-in test
- All using 85/105 deg C Capacitors
- Withstand 300VAC surge input for 10 second
- High operating temperature up to 55
- High efficiency, long life and high reliability
- One years warranty



**TECHNICAL SPECIFICATION**

**SMPS for Automation**

<b>DATA / MODEL</b>		<b>PS10</b>	<b>PS30</b>	<b>PS60</b>	<b>PS125</b>	<b>PS240</b>
						
<b>OUTPUT</b>	<b>DC Voltage</b>	5 /12 / 24 V	5 /12 / 24 V	5 /12 / 24 V	5 /12 / 24 V	12 / 24 / 48 V
	<b>Rated Current</b>	<b>2 / 0.8 / 0.4 A</b>	<b>3.5 / 2.5 / 1.5 A</b>	<b>6.5 / 5 / 2.5 A</b>	<b>10 / 10 / 5 A</b>	<b>15 / 10 / 5 A</b>
	<b>Wattage</b>	<b>10</b>	<b>30</b>	<b>60</b>	<b>125</b>	<b>240</b>
	<b>Voltage Adj Range</b>	No	NO	YES	YES	YES
	<b>Ripple &amp; Noise</b>	<2 %	<2%	<2%	<2%	<2%
	<b>Line &amp; Load regulation</b>	<2 %	<2%	<2%	<2%	<2%
	<b>Connector</b>	2 pin Straight combi. connector	2 pin Straight combi. connector	2 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector

INPUT	Voltage Range	100-265VAC	100-265VAC	100-265VAC	170-260VAC	170-260VAC
	AC Current (Typ)	0.075Amp	0.135Amp	0.350 Amp	0.830 Amp	1.650 Amp
	Frequency	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
	Efficiency	> 78 %	> 80%	> 83 %	> 85 %	> 80%
	Inrush Current	<10A	<10A	<30A	<30A	<40A
	Connector	3 pin Straight combi. connector	3 pin Straight combi. connector	3 pin Straight combi. connector	3 pin Straight combi. connector	3 pin Straight combi. connector
PROTECTION	Short Circuit	Yes	Yes	Yes	Yes	Yes
	Over Load	Yes	Yes	Yes	Yes	Yes
	Over Temp.	Yes	Yes	Yes	Yes	Yes
ENVIRONMENT	Working Temp	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C
	Working Humidity	20-85% RH	20-85% RH	20-85% RH	20-85% RH	20-85% RH
	Storage Temp. deg C	. - 20 ~ + 70	. - 20 ~ + 70	. - 20 ~ + 70	. - 20 ~ + 70	. - 20 ~ + 70
	Temp. Coefficient	. +/- 0.05% per deg C (0~45deg)	. +/- 0.05% per deg C (0~45deg)	. +/- 0.05% per deg C (0~45deg)	. +/- 0.05% per deg C (0~45deg)	. +/- 0.05% per deg C (0~45deg)
SAFETY &	withstand Voltage	O/P-O/P:3KV AC I/P-FG:1.5KV AC O/P-FG:0.5 KV AC	O/P-O/P:3KV AC I/P-FG:1.5KV AC O/P-FG:0.5 KV AC	O/P-O/P:3KV AC I/P-FG:1.5KV AC O/P-FG:0.5 KV AC	O/P-O/P:3KV AC I/P-FG:1.5KV AC O/P-FG:0.5 KV AC	O/P-O/P:3KV AC I/P-FG:1.5KV AC O/P-FG:0.5 KV AC
	EMC	Isolation Resistance	O/P-O/P, I/P-FG, O/P-FG: 100Ohms/500 V DC@ 25 deg C / 70% RH	O/P-O/P, I/P-FG, O/P-FG: 100Ohms/500 V DC@ 25 deg C / 70% RH	O/P-O/P, I/P-FG, O/P-FG: 100Ohms/500 V DC@ 25 deg C / 70% RH	O/P-O/P, I/P-FG, O/P-FG: 100Ohms/500 V DC@ 25 deg C / 70% RH
Other	Dimension L x W x D	90 x 43 x 33 MM	100 x 58 x 38 MM	150 x 90 x 38 MM	160 x 91 x 40 MM	200 x 95 x 75 MM
	weight	60 gms	190 gms	380 gms	480 gms	620 gms

### Maximum Baseplate Temperature +85°C

Derating without heatsink: Derate 2% per °C beyond +45°C case temperature Derating with heatsink: Derate 2% per °C beyond +55°C case temperature

Derating with Universal Input: Derate 2% per 5 volts for range 100-170 V AC

### Ordering Information

**PS10W12** : 10 Watt 12 V DC/0.8 A Panel Mounted SMPS with Universal Input 100-265v AC with 0 to 55 deg C Operating Temp.

**PS125W24** : 125 Watt 24 V DC/ 10 A Panel /DIN Rail Mounted SMPS with 170-265V AC with 0 to 55 deg C operating Temp.

When Operating beyond limits De rating should considered.

Note: All specifications are subject to change without Notice

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