

**24/48 VDC power supplies for Automation & Networking on a DIN RAIL**

**TECHNICAL SPECIFICATION**

**SMPS for Automation**

Website: [www.powersupplyindia.com](http://www.powersupplyindia.com)

<b>DATA / MODEL</b>	<b>IS15W24</b>	<b>IS25W24</b>	<b>IS35W24</b>	<b>IS50W24</b>	<b>IS75W24</b>	<b>IS100W24</b>	<b>IS120W24</b>	<b>S180W24</b>	<b>IS250W24</b>
									
<b>Output Voltage</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>	<b>24V</b>
<b>Output Current</b>	<b>625 mAmp</b>	<b>1.1 A</b>	<b>1.5 A</b>	<b>2 .1 A</b>	<b>3.1 A</b>	<b>4.2A</b>	<b>5 Amp</b>	<b>7.5A</b>	<b>10.4A</b>
<b>I/P voltg rangeVAC</b>	100-265VAC	100-265VAC	100-265VAC	170-260VAC	170-260VAC	170-260VAC	170-260VAC	170-260VAC	170-260VAC
<b>Input Frequency</b>	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
<b>Inrush current&lt; A</b>	<10A	<10A	<30A	<30A	<30A	<30A	<30A	<40A	<40A
<b>Power Factor &gt;0.8</b>	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
<b>Holdup Time &gt;mS</b>	>20ms	>20ms	>20ms	>20ms	>20ms	>20ms	>20ms	>20ms	>20ms
<b>Surge Voltge Prote.</b>	MOV	MOV	MOV	MOV	MOV	MOV	MOV	MOV	MOV
<b>Line Regulation %</b>	2%	2%	2%	2%	2%	2%	2%	2%	2%
<b>Noise &amp; Ripple</b>	<1%	<2%	<1%	<2%	<2%	<2%	<2%	<2%	<2%
<b>Overload Protction</b>	110% O/p Open	110% O/p Open	110% O/p Open	110% O/p Open	110% O/p Open	110% O/p Open	110% O/p Open	105-125% O/p Foldback	105-125% O/p Foldback
<b>Ovr Volt Protection</b>	- -	- -	27.5 V	27.5 V	27.5 V	27.5 V	27.5 V	27.5 V	27.5 V
<b>Operating Temp.</b>	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C	.0 to 55 °C
<b>Load Regulation</b>	2%	2%	1%	1%	1%	1%	1%	1%	1%
<b>Input current@230v</b>	0.075Amp	0.135Amp	0.190Amp	0.270Amp	0.390Amp	0.550 Amp	0.650 Amp	1.0 A	1.35 Amp
<b>Humidity</b>	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing	5% to 95%, Non Condensing
<b>Storage Temp.</b>	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC	. -20 to 80 oC
<b>Isolation</b>	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >2KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS	I/p to O/p >3KVRMS I/p to PE > 1.5 KV RMS O/p to PE > 0.5 KV RMS
<b>Cooling</b>	Natural Air Convection	Natural Air Convection	Natural Air Convection	Natural Air Convection	Natural Air Convection	Natural Air Convection	Natural Air Convection	Natural Air Convection	Force Air Convection

SIZE(W x L x D.) mm	52 x 90x 37	54 x 113 x43	60 x 116 x 45	55 x120 x 45	60x185x110	75 x 142 X48	90 x 142 X57/90	115 X 170 X 60/90	115X170X60/90
Weight	160gms	220gms	280gms	400gms	440gms	470 gms	550 gmm	800 gms	980 gms
Efficiency	> 80%	> 80%	> 80%	> 80%	> 80%	> 80%	> 80%	> 78%	> 80%
Input 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	3 pin Straight combi. connector	3 pin Straight combi. connector	3 pin Straight combi. connector	3 pin Straight combi. connector
Output Connector	2 pin Straight combi. connector	4 pin Straight combi. connector	2 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector	4 pin Straight combi. connector

## Ordering Information

### 24 V DC DIN-Rail Power Supplies

**IS50W24** : 50 Watt 24 V DC/ 2.1 A DIN Rail Mounted SMPS with Universal Input 100-265v AC or 110-300 V DC with 0 to 55 deg C Operating Temp.

**IS75W24** : 75 Watt 24 V DC/ 3.1 A DIN Rail Mounted SMPS with Universal Input 100-265v AC or 110-300 V DC with 0 to 55 deg C operating Temp.

When Operating beyond limits De rating should considered.

Note: All specificatins are subject to change without Notice

[www.powersupplyindia.com](http://www.powersupplyindia.com)

Email: [sales@powersupplyindia.com](mailto:sales@powersupplyindia.com)  
[pess@vsnl.net](mailto:pess@vsnl.net) /[pesscorporation@gmail.com](mailto:pesscorporation@gmail.com)

**PESS Corporation**

312,Shaniwar Peth, PUNE.411030

Tel: 91-20-24483234, 24487774