connectwell
THE RIGHT CONNECTION

GENERAL FEATURES

- Very High Power Efficiency
- Possibility Of Connecting Power Supplies In Parallel*
- In Built Power Factor Correction Circuit*
- Cooling By Convection: No Fans Reduce The Chance Of Failure*
- Fully Encased Ip 20 Plastic / Metal Body
- 2 Years Warranty

INPUT FEATURES

- Extremely Accurate Line Regulation
- Full Range Input Selection from 85 to 264 VAC or Automatic Input Selection between 115 VAC / 230 VAC
- Input Fuse Protection
- Input Over Voltage Protection
- Internal Input Filter to disallow harmonics and EM interference to pass to the supply line

OUTPUT FEATURES

- Very Accurate Load Regulation
- Output Short Circuit Protection
- High Output Voltage Accuracy
- Possibility of Trimming Output Voltage
- Output Ready Signal*
- DC ON Signal
- DC LOW Signal

* These features are available in select models

SWITCH-MODE POWER SUPPLIES

PRODUCT OVERVIEW 2018-19

Standard Single Phase Switching Power Supplies

Connectwell's range of Din Rail Mounting, Single Phase Switching Power Supplies is available in a wide variety of power ratings, ranging from 5 W to 480 W.

Housed in aesthetically appealing IP 20 protection class plastic or metal casings these Power Supplies are designed for very high efficiency along with various forms of input & output protection.

Their high output accuracy along with superior load and line regulation make them the ultimate choice for absolutely any industrial application.

UL 60950-1

	Cat. No.	Input Voltage Range (VAC)	Output Wattage (W)	Output Voltage (VDC)	Output Current (A)	Minimum Efficiency (%)	Typical Efficiency (%)	Dimensions H x W x D (mm)	Housing Material	Weight (gms)
5 WATT	PSS5/5/1	90 to 264	5	5	1	67	69	114 x 22.5 x 90	Plastic	120
	PSS5/12/0.42	90 to 264	5	12	0.42	70	72	114 x 22.5 x 90	Plastic	120
	PSS5/24/0.21	90 to 264	5	24	0.21	70	72	114 x 22.5 x 90	Plastic	120
10 WATT	PSS10/5/2	90 to 264	10	5	2	71	73	114 x 22.5 x 90	Plastic	120
	PSS10/12/0.84	90 to 264	10	12	0.84	73	75	114 x 22.5 x 90	Plastic	120
	PSS10/24/0.42	90 to 264	10	24	0.42	74	76	114 x 22.5 x 90	Plastic	120
18 WATT	PSS15/5/3	90 to 264	15	5	3	73	75	114 x 22.5 x 90	Plastic	150
	PSS18/12/1.5	90 to 264	18	12	1.5	75	77	114 x 22.5 x 90	Plastic	150
	PSS18/24/0.75	90 to 264	18	24	0.75	75	77	114 x 22.5 x 90	Plastic	150
30 WATT	PSS30/5/6	85 to 264	30	5	6	77	79	114 x 40.5 x 90	Plastic	270
	PSS30/12/2.5	85 to 264	30	12	2.5	82	84	114 x 40.5 x 90	Plastic	270
	PSS30/24/1.25	85 to 264	30	24	1.25	83	86	114 x 40.5 x 90	Plastic	270
	PSS30/48/0.63	85 to 264	30	48	0.63	83	86	114 x 40.5 x 90	Plastic	270
60 WATT	PSS50/5/10	85 to 264	50	5	10	77	79	114 x 40.5 x 90	Plastic	340
	PSS60/12/5	85 to 264	60	12	5	84	86	114 x 40.5 x 90	Plastic	340
	PSS60/24/2.5	85 to 264	60	24	2.5	86	89	114 x 40.5 x 90	Plastic	340
	PSS60/48/1.25	85 to 264	60	48	1.25	86	89	114 x 40.5 x 90	Plastic	340
100 WATT	PSS100/12/8.4	90 to 264	100.8	12	8.4	82	84	114 x 54 x 90	Plastic	430
	PSS100/24/4.2	90 to 264	100.8	24	4.2	84	86	114 x 54 x 90	Plastic	430
	PSS100/24/3.8-L	90 to 264	91.2	24	3.8	83	85	114 x 54 x 90	Plastic	430
	PSS100/48/2.1	90 to 264	100.8	48	2.1	86	88	114 x 54 x 90	Plastic	430
120 WATT	PSS120/12/10	115 / 230 (Auto Select)	120	12	10	82	84	124 x 64 x 124	Metal	920
	PSS120/24/5	115 / 230 (Auto Select)	120	24	5	84	86	124 x 64 x 124	Metal	920
	PSS120/48/2.5	115 / 230 (Auto Select)	120	48	2.5	85	87	124 x 64 x 124	Metal	920
240 W	PSS240/24/10	115 / 230 (Auto Select)	240	24	10	87	89	124 x 84 x 124	Metal	1000
	PSS240/48/5	115 / 230 (Auto Select)	240	48	5	88	90	124 x 84 x 124	Metal	1000
300 W	PSS300/24/12.5	115 / 230 (Auto Select)	300	24	12.5	87	89	124 x 84 x 124	Metal	1380
	PSS300/48/6.25	115 / 230 (Auto Select)	300	48	6.25	88	90	124 x 84 x 124	Metal	1380
480 W	PSS480/24/20	90 to 264	480	24	20	87	89	124 x 175 x 124	Metal	1920
	PSS480/48/10	90 to 264	480	48	10	88	90	124 x 175 x 124	Metal	1920

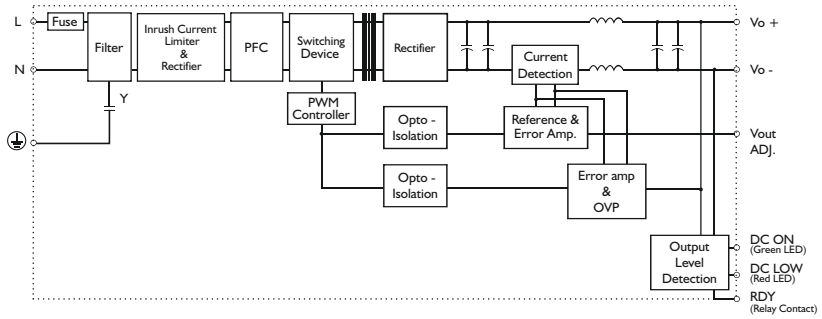
Two Phase & Three Phase Switching Power Supplies

Three phase switching power supplies are available in wide variety of power ratings from 120 W to 960 W. Features like full input voltage range from 340 to 575 VAC, superior load and line regulation, output ready signal, trimable output voltage etc. make these Power Supplies the last word in three phase applications.

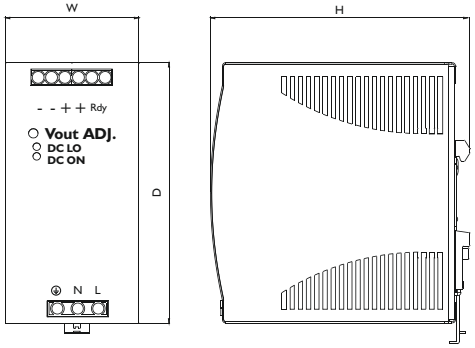
c UL us LISTED IND. CONT. EQ. UL 508 | c US UL 60950-1 | CE

	Cat. No.	Input Voltage Range (VAC)	Output Wattage (W)	Output Voltage (VDC)	Output Current (A)	Minimum Efficiency (%)	Typical Efficiency (%)	Dimensions H x W x D (mm)	Housing Material	Weight (gms)
100 WATT	PSD100/12/8.4	340 to 575	100	12	8.4	84	86	114 x 54 x 90	Plastic	500
	PSD100/24/4.2	340 to 575	100	24	4.2	85	87	114 x 54 x 90	Plastic	500
	PSD100/48/2.1	340 to 575	100	48	2.1	87	89	114 x 54 x 90	Plastic	500
120 W	PST120/12/10	340 to 575	120	12	10	85	87	119 x 74 x 124	Metal	800
	PST120/24/5	340 to 575	120	24	5	87	89	119 x 74 x 124	Metal	800
240 W	PST240/24/10	340 to 575	240	24	10	88	90	119 x 89 x 124	Metal	1100
	PST240/48/5	340 to 575	240	48	5	89	91	119 x 89 x 124	Metal	1100
480 W	PST480/24/20	340 to 575	480	24	20	88	90	119 x 150 x 124	Metal	1720
	PST480/48/10	340 to 575	480	48	10	89	91	119 x 150 x 124	Metal	1720
960 WATT	PST960/24/40	340 to 575	960	24	40	90	92	119 x 276 x 126	Metal	3400
	PST960/24/40/E	340 to 575	960	24	40	90	92	119 x 276 x 126	Metal	3400
	PST960/48/20	340 to 575	960	48	20	91	93	119 x 276 x 126	Metal	3400

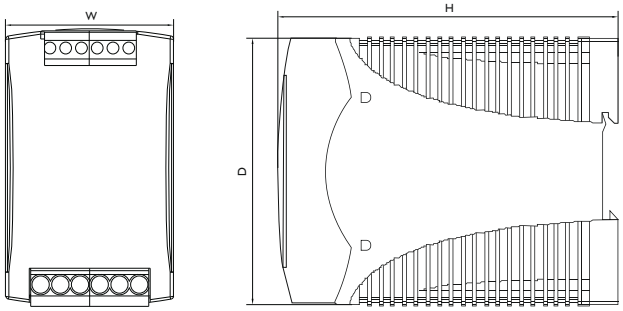
Typical Circuit Diagram for a Single Phase Switching Power Supply



Typical Metal Housing



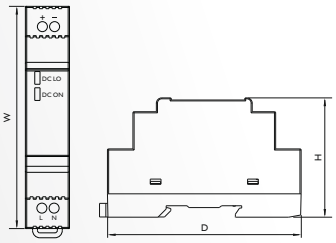
Typical Plastic Housing



DIN Profile Single Phase Switching Power Supplies

Connectwell's range of Step Type Single Phase Switching Power Supplies is used in applications where the height available for mounting of Power Supplies is very less.

These Power Supplies are available in a Step Type modular design with form factor similar to that of MCBs making them suitable for mounting in electrical and lighting distribution boards which are commonly seen in building automation applications.



UL 60950-1

	Cat. No.	Input Voltage Range (VAC)	Output Wattage (W)	Output Voltage (VDC)	Output Current (A)	Minimum Efficiency (%)	Typical Efficiency (%)	Dimensions H x W x D (mm)	Housing Material	Weight (gms)
1 MODULE	PSB1/7.5/5/1.5	90 to 264	7.5	5	1.5	72	74	57 x 18 x 91	Plastic	65
	PSB1/10/12/0.83	90 to 264	10	12	0.83	76	78	57 x 18 x 91	Plastic	65
	PSB1/10/24/0.42	90 to 264	10	24	0.42	78	80	57 x 18 x 91	Plastic	65
2 MODULE	PSB2/15/5/3	90 to 264	15	5	3	80	83	57 x 35 x 91	Plastic	130
	PSB2/24/12/2	90 to 264	24	12	2	82	84	57 x 35 x 91	Plastic	130
	PSB2/24/24/1	90 to 264	24	24	1	83	85	57 x 35 x 91	Plastic	130
3 MODULE	PSB3/22.5/5/4.5	90 to 264	22.5	5	4.5	72	75	57 x 53 x 91	Plastic	190
	PSB3/33/12/2.75	90 to 264	33	12	2.75	80	83	57 x 53 x 91	Plastic	190
	PSB3/36/24/1.5	90 to 264	36	24	1.5	81	84	57 x 53 x 91	Plastic	190
4 MODULE	PSB4/35/5/7	90 to 264	35	5	7	78	80	57 x 71 x 91	Plastic	250
	PSB4/54/12/4.5	90 to 264	54	12	4.5	82	84	57 x 71 x 91	Plastic	250
	PSB4/60/24/2.5	90 to 264	60	24	2.5	84	86	57 x 71 x 91	Plastic	250
5 MODULE	PSB5/60/5/12	90 to 264	60	5	12	78	80	57 x 90 x 91	Plastic	380
	PSB5/72/12/6	90 to 264	72	12	6	83	86	57 x 90 x 91	Plastic	380
	PSB5/100/24/4.2	90 to 264	100	24	4.2	86	89	57 x 90 x 91	Plastic	380
	PSB5/91/24/3.8-L	90 to 264	91	24	3.8	86	89	57 x 90 x 91	Plastic	380

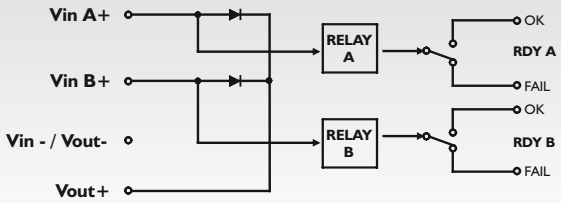
Power Supply Redundancy Module (Diode ORing Module)

These redundancy modules are required to connect two or more Power Supplies to the application load so as to safe guard it against failure of a single Power Supply.

At any given point only one of the Power Supplies connected to these modules is further connected to the load. Only on failure of one of the Power Supplies does the other Power Supply come into action.

With features like IP 20 class fully shrouded housing and current ratings as high as 20 A these modules are the ultimate when it comes to aesthetics as well as performance.

Circuit Diagram



	Cat. No.	Input Voltage Range (VAC)	Approvals (Pending)	Output Voltage (VDC)	Output Current (A)	Dimensions H x W x D (mm)	Housing Material	Weight (gms)
	PSR10	21 to 28 VDC	CE	24	10	57 x 35 x 91	Plastic	75
	PSR20	21 to 28 VDC	CE	24	20	114 x 54 x 90	Plastic	210