

# Ziegler

Redefine Innovative Metering

# Technical Datasheet

ZAU PSX Series

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POWER SUPPLY

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

### ZAU PSX Series

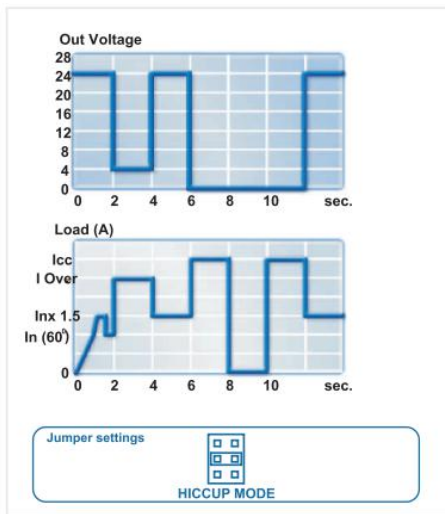
Switched Mode power supply is an electronic device that supplies electrical energy to an electric load. Power supplies are basically are converters. Some power supplies are discrete, stand alone devices, whereas others are built into larger devices along with their loads.

#### Product Features

- Compact Design
- High efficiency : 82-92%
- Flexible Power continuity
- Available in 1Ph, 2Ph, and 3Ph
- Adjustable Output range
- 3 different Protection modes
- Strong overload without switch- off
- Power Good Relay
- Power Boost upto 150% for 3 min
- Din Rail Mounting
- High MTBF > 500000

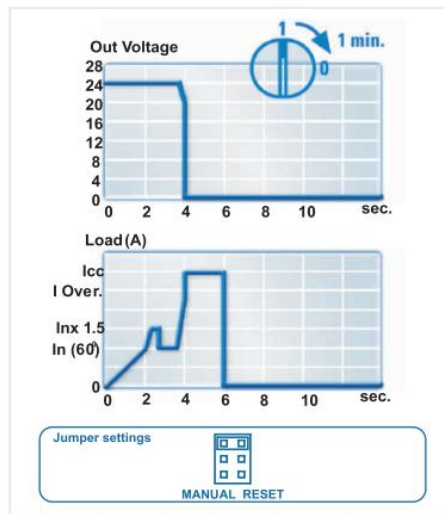


### ZAU PSX - Three Different Protection Modes on site selection



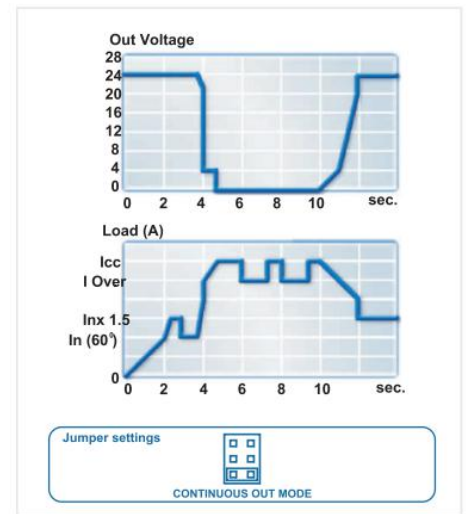
#### Hiccup Mode

This is default setting of all ZAU PSX series. When short-circuiting or overloading condition occurs, the output current is interrupted. The device tries to re-establish the output connections i.e. output voltage and normal condition about every 2 seconds till the problem is cleared.



#### Manual Rest

In case of short circuit or overload, the output current is interrupted. In order to re-establish the output it is necessary to switch off the power supply i.e. input side for 1 minute and again power the circuit to restart the output. This mode is used particularly in the environment where safety procedure is required.



#### Continuous Output Mode

In case of short circuit or overload, the output current is kept at high value with near zero voltage. In short-circuit case, output current can reach up to 3 times of rated current at 60°C. This mode is used to meet the high current demanding loads such as motors, solenoid valves, lamps, PLC with highly capacitive input circuits and other loads.

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

Model	ZAU PS1 0505	ZAU PS1 1206	ZAU PS1 1214	ZAU PS1 1216
Wattage	35W	36-72W	120-180W	240-336W
<b>INPUT DATA</b>				
Input Voltage	115-230V AC	115-230V AC	115-230V AC	115-230V AC
Input Voltage Range VAC (see side label on product for input selection switch position)	90 - 264VAC	90 - 135VAC 170 - 264VAC	90 - 135VAC 170 - 264VAC	90 - 264VAC
Input Voltage Range VDC (Applicable only when input selection switch is positioned at 180-280VAC for ZAU PS1 )	120 - 373VDC	120 - 373VDC	120 - 373VDC	120 - 373VDC
Line regulation	1%	1%	1%	1%
Load Regulation (From 0% to 100% load)	0.50%	0.50%	0.50%	0.50%
Inrush Current (Vn and In Load) I <sup>2</sup> t	≤ 7 A ≤ 5msec	≤ 7 A ≤ 5msec	≤ 11 A ≤ 5msec	≤ 16 A ≤ 5msec
Frequency	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%
Input Current	0.5 - 0.25A	1.0 - 0.7A	2.8-1.3A	3.3 - 2.2A
Internal Fuse	4A	4A	4A	6.3A
External Fuse (recommended)	6A	6A	10A	16A
<b>OUTPUT DATA</b>				
Output Voltage Factory Setting ±3% - (Vn)	5VDC	12VDC	12VDC	12VDC
Adjustment range (Vadj)	4.75 - 5.25VDC	10 - 15.5VDC	10 - 14VDC	10 - 14VDC
Start up with capacitive load	≤50,000μF	≤50,000μF	≤50,000μF	≤50,000μF
Turn-On delay after applying mains voltage	1 sec. (max)	1.5 sec. (max)	1 sec. (max)	1 sec. (max)
Continuous Current at O/P Volt V < 40°C (In)	5A	4.0A(115) - 6.0A(230)	14A	16A
Continuous Current at O/P Volt V < 50°C (In)	5A	3.0A(115) - 5.0A(230)	12A	15A
Continuous Current at O/P Volt V < 60°C (In)	5A	-	10A	14A
Power Boost Current (at 60°C 3min.)	7A	7A(12V) & 6A (15V)	15A	21A
Current Max Overload approx. 4VDC (permanent)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.3 - 1.4)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)
Short circuit current (I <sub>cc</sub> )	10A	10A	20A	30A
Power Good Relay (Trigger at)	-	-	-	-
Hold-up Time ( min. VAC) O/P Volt VDC	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec
Residual Ripple	80 mVpp	80 mVpp	80 mVpp	80 mVpp
Efficiency (50% of In)	82%	88%	91%	91%
Dissipation power load max (W)	6	6	17	28
<b>CLIMATIC DATA</b>				
Ambient Temperature operation	-25 to +70°C	-25 to +70°C	-25 to +70°C	-25 to +70°C
De rating T <sup>a</sup> > (In)	> 60° 2.5% °C	> 60° 2.5% °C	> 60° 2.5% °C	> 60° 2.5% °C
Ambient Temperature Storage	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Humidity at 25 °C	95%	95%	95%	95%
<b>GENERAL DATA</b>				
Isolation Voltage (IN / OUT)	3000VAC	3000VAC	3000VAC	3000VAC

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

Isolation Voltage(IN / PE)	1605VAC	1605VAC	1605VAC	1605VAC
Isolation Voltage(OUT / PE)	500VAC	500VAC	500VAC	500VAC
Protection Class (EN/IEC 60529)	IP 20	IP 20	IP 20	IP 20
Reliability (MTBF IEC 61709)	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h
Pollution Degree Environment	2	2	2	2
Connection Terminal Blocks Screw Type	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Protection class (with PE connected)	I	I	I	I
Dimension (w-h-d)	50x120x50 mm	50x120x50 mm	55x110x105 mm	72X115X135mm
Weight	0.30 kg approx	0.30 kg approx	0.60 kg approx	0.65 kg approx

Model	ZAU PS1 2403	ZAU PS1 2405	ZAU PS1 2408	ZAU PS1 2414
Wattage	36- 72W	90- 120W	120- 180W	240- 330W
<b>INPUT DATA</b>				
Input Voltage	115-230V AC	115-230V AC	115-230V AC	115-230V AC
Input Voltage Range VAC (see side label on product for input selection switch position)	90 - 135VAC 170 - 264VAC	90 - 135VAC 170 - 264VAC	90 - 135VAC 170 - 264VAC	90 - 135VAC 170 - 264VAC
Input Voltage Range VDC (Applicable only when input selection switch is positioned at 180-280VAC for ZAU PS1 )	120 - 373VDC	250 - 373VDC	250 - 373VDC	250 - 373VDC
Line regulation	1%	1%	1%	1%
Load Regulation (From 0% to 100% load)	0.50%	0.50%	0.50%	0.50%
Inrush Current (Vn and In Load) I <sup>2</sup> t	≤ 7 A ≤ 5msec	≤ 11 A ≤ 5msec	≤ 11 A ≤ 5msec	≤ 16 A ≤ 5msec
Frequency	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%
Input Current	1.0 - 0.7A	1.8 - 0.9A	2.8 - 1.3A	3.3 - 2.2A
Internal Fuse	4A	4A	4A	6.3A
External Fuse (recommended)	6A	10A	10A	16A
<b>OUTPUT DATA</b>				
Output Voltage Factory Setting ±3% - (Vn)	24VDC	24VDC	24VDC	24VDC
Adjustment range (Vadj)	22 - 27VDC	22 - 27VDC	22 - 27VDC	22 - 27VDC
Start up with capacitive load	≤50,000μF	≤50,000μF	≤50,000μF	≤50,000μF
Turn-On delay after applying mains voltage	1.5 sec. (max)	1 sec. (max)	1 sec. (max)	1 sec. (max)
Continuous Current at 24 V < 40°C (In)	2.0A(115) - 3.0A(230)	5.0A	7.5A	14A
Continuous Current at 24 V < 50°C (In)	1.5A(115) - 2.5A(230)	4.5A	6.0A	12A
Continuous Current at 24 V < 60°C (In)	-	4.0A	5.0A	10A
Power Boost Current (at 24VDC 60°C 3min.)	3.5A at 50°C	6.0A	7.5A	15A
Current Max Overload approx. 4VDC (permanent)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 60°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 60°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 60°C x (1.8 - 2.2)

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

Short circuit current (I <sub>cc</sub> )	7.0A	12A	16A	30A
Power Good Relay (Trigger at)	-	20VDC	20VDC	20VDC
Hold-up Time ( min. VAC) 24VDC	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec
Residual Ripple	80 mVpp	80 mVpp	80 mVpp	80 mVpp
Efficiency (50% of I <sub>n</sub> )	88%	91%	91%	91%
Dissipation power load max (W)	6	11	17	28
<b>CLIMATIC DATA</b>				
Ambient Temperature operation	-25 to +70°C	-25 to +70°C	-25 to +70°C	-25 to +70°C
De rating T <sup>a</sup> > (I <sub>n</sub> )	> 50° 2.5% °C	> 60° 2.5% °C	> 60° 2.5% °C	> 60° 2.5% °C
Ambient Temperature Storage	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Humidity at 25 °C	95%	95%	95%	95%
<b>GENERAL DATA</b>				
Isolation Voltage (IN / OUT)	3000VAC	3000VAC	3000VAC	3000VAC
Isolation Voltage(IN / PE)	1605VAC	1605VAC	1605VAC	1605VAC
Isolation Voltage(OUT / PE)	500VAC	500VAC	500VAC	500VAC
Protection Class (EN/IEC 60529)	IP 20	IP 20	IP 20	IP 20
Reliability (MTBF IEC 61709)	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h
Pollution Degree Environment	2	2	2	2
Connection Terminal Blocks Screw Type	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Protection class (with PE connected)	I	I	I	I
Dimension (w-h-d)	50x120x50 mm	55x110x105 mm	55x110x105 mm	72x115x135 mm
Weight	0.30 kg approx	0.50 kg approx	0.60 kg approx	0.72 kg approx

Model	ZAU PS1 2425	ZAU PS2 2405	ZAU PS2 2408	ZAU PS2 2414
Wattage	480-600W	96-120W	120-180W	240-336W
<b>INPUT DATA</b>				
Input Voltage	115-230V AC	230-400-500V AC	230-400-500V AC	230-400-500V AC
Input Voltage Range VAC (see side label on product for input selection switch position)	90 - 135VAC 170 - 264VAC	187 - 264VAC 330 - 550VAC	187 - 264VAC 330 - 550VAC	187 - 264VAC 330 - 550VAC
Input Voltage Range VDC (Applicable only when input selection switch is positioned at 180-280VAC for ZAU PS1 )	250 - 373VDC	467 - 780VDC	467 - 780VDC	467 - 780VDC
Line regulation	1%	1%	1%	1%
Load Regulation (From 0% to 100% load)	0.50%	1%	1%	1%
Inrush Current (V <sub>n</sub> and I <sub>n</sub> Load) I <sup>2</sup> t	≤ 16 A ≤ 5msec	≤ 17 A ≤ 5msec	≤ 17 A ≤ 5msec	≤ 17 A ≤ 5msec
Frequency	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%
Input Current	8.0 - 4.2 A	1.5 - 0.5 - 0.4A	1.5 - 0.8 - 0.7 A	2.2 - 1.4 - 1.0A
Internal Fuse	10A	4A	4A	4A
External Fuse (recommended)	16A	10A	10A	16 A

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

OUTPUT DATA				
Output Voltage Factory Setting $\pm 3\%$ - (Vn)	24VDC	24VDC	24VDC	24VDC
Adjustment range (Vadj)	22 - 27VDC	22 - 27VDC	22 - 27VDC	22 - 27VDC
Start up with capacitive load	$\leq 50,000\mu\text{F}$	$\leq 50,000\mu\text{F}$	$\leq 50,000\mu\text{F}$	$\leq 50,000\mu\text{F}$
Turn-On delay (after applying mains voltage)	1 sec. (max)	1 sec. (max)	1 sec. (max)	1 sec. (max)
Continuous Current at 24 V < 40°C (In)	25A	5.0A	7.5A	14A
Continuous Current at 24 V < 50°C (In)	22A	4.5A	6.0A	12A
Continuous Current at 24 V < 60°C (In)	20A	4.0A	5.0A	10A
Power Boost Current (at 24VDC 60°C 3min.)	30A	6.0A	7.5A	15A
Current Max Overload approx. 4VDC (permanent)	$I_{\text{max}} = I_{\text{n}} 60^{\circ}\text{C} \times (1.8 - 2.2)$	$I_{\text{max}} = I_{\text{n}} 50^{\circ}\text{C} \times (1.8 - 2.2)$	$I_{\text{max}} = I_{\text{n}} 50^{\circ}\text{C} \times (1.8 - 2.2)$	$I_{\text{max}} = I_{\text{n}} 50^{\circ}\text{C} \times (1.8 - 2.2)$
Short circuit current (Icc)	60A	12A	16A	30A
Power Good Relay (Trigger at)	20VDC	20VDC	20VDC	20VDC
Hold-up Time ( min. VAC) 24VDC	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec
Residual Ripple	80 mVpp	80 mVpp	80 mVpp	80 mVpp
Efficiency (50% of In)	92%	91%	91%	91%
Dissipation power load max (W)	54	11	17	28
CLIMATIC DATA				
Ambient Temperature operation	-25 to +70°C	-25 to +70°C	-25 to +70°C	-25 to +70°C
De rating $T^{\text{a}} > (I_{\text{n}})$	$> 60^{\circ} 2.5\% ^{\circ}\text{C}$	$> 60^{\circ} 2.5\% ^{\circ}\text{C}$	$> 60^{\circ} 2.5\% ^{\circ}\text{C}$	$> 60^{\circ} 2.5\% ^{\circ}\text{C}$
Ambient Temperature Storage	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Humidity at 25 °C	95%	95%	95%	95%
GENERAL DATA				
Isolation Voltage (IN / OUT)	3000VAC	3000VAC	3000VAC	3000VAC
Isolation Voltage(IN / PE)	1605VAC	1605VAC	1605VAC	1605VAC
Isolation Voltage(OUT / PE)	500VAC	500VAC	500VAC	500VAC
Protection Class (EN/IEC 60529)	IP 20	IP 20	IP 20	IP 20
Reliability (MTBF IEC 61709)	$> 5,00,000$ h	$> 5,00,000$ h	$> 5,00,000$ h	$> 5,00,000$ h
Pollution Degree Environment	2	2	2	2
Connection Terminal Blocks Screw Type	4 mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Protection class (with PE connected)	I	I	I	I
Dimension (w-h-d)	85x120x140mm	55x110x105 mm	55x110x105 mm	72x115x135 mm
Weight	1.1 kg approx	0.50 kg approx	0.60 kg approx	0.72 kg approx

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

Model	ZAU PS3 2425	ZAU PS3 2430	ZAU PS3 2440
Wattage	480- 600W	720W	960W
<b>INPUT DATA</b>			
Input Voltage	400-500V AC	400-480V AC	400-480V AC
Input Voltage Range VAC (see side label on product for input selection switch position)	330 - 550VAC (3 phase) 370 - 550VAC (2 phase)	360 - 530VAC	360 - 530VAC
Input Voltage Range VDC (Applicable only when input selection switch is positioned at 180-280VAC for ZAU PS1 )	467 - 780VDC	510 - 750VDC	510 - 750VDC
Line regulation	1%	1%	1%
Load Regulation (From 0% to 100% load)	1%	1%	1%
Inrush Current (Vn and In Load) I <sup>2</sup> t	≤ 17 A ≤ 5msec	≤ 10 A ≤ 5 msec	≤ 10 A ≤ 5 msec
Frequency	47 - 63 Hz ±6%	47 - 63 Hz	47 - 63 Hz
Input Current	0.95 - 0.85A	1.35 - 1.2 A	1.7 - 1.5 A
Internal Fuse	6.3A	6.3A	6.3A
External Fuse (recommended)	16A	Fast 6A	Fast 6A
<b>OUTPUT DATA</b>			
Output Voltage Factory Setting ±3% - (Vn)	24VDC	24VDC	24VDC
Adjustment range (Vadj)	22 - 27VDC	22 - 26VDC	22 - 26VDC
Start up with capacitive load	≤50,000µF	≤30,000µF	≤30,000µF
Turn-On delay (after applying mains voltage)	1 sec. (max)	1 sec. (max)	1 sec. (max)
Continuous Current at 24 V < 40°C (In)	25A	30A	40A
Continuous Current at 24 V < 50°C (In)	22A	-	-
Continuous Current at 24 V < 60°C (In)	20A	-	-
Power Boost Current (at 24VDC 60°C 3min.)	30A	-	-
Current Max Overload approx. 4VDC (permanent)	$I_{max} = I_n 50^{\circ}C \times (1.8 - 2.2)$	-	-
Short circuit current (Icc)	60A	-	-
Power Good Relay (Trigger at)	20VDC	-	-
Hold-up Time ( min. VAC) 24VDC	Typ. 20 msec	Typ. 27 msec	Typ. 27 msec
Residual Ripple	80 mVpp	100mVpp	100mVpp
Efficiency (50% of In)	92%	86%	86%
Dissipation power load max (W)	54	-	-
<b>CLIMATIC DATA</b>			
Ambient Temperature operation	-25 to +70°C	-10 to +70°C	-10 to +70°C
De rating T <sup>a</sup> > (In)	> 60° 2.5% °C	> 50° 1% °C	> 50° 1% °C
Ambient Temperature Storage	-40 to +85°C	-25 to +85°C	-25 to +85°C
Humidity at 25 °C	95%	95%	95%

# SWITCHED MODE POWER SUPPLY

## POWER SUPPLY

GENERAL DATA			
Isolation Voltage (IN / OUT)	3000VAC	3000VAC	3000VAC
Isolation Voltage(IN / PE)	1605VAC	1605VAC	1605VAC
Isolation Voltage(OUT / PE)	500VAC	500VAC	500VAC
Protection Class (EN/IEC 60529)	IP 20	IP20	IP21
Reliability (MTBF IEC 61709)	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h
Pollution Degree Environment	2	2	2
Connection Terminal Blocks Screw Type	4 mm <sup>2</sup>	4 mm <sup>2</sup>	4 mm <sup>2</sup>
Protection class (with PE connected)	I	I	I
Dimension (w-h-d)	85x120x140mm	250 x 150x 160	251 x 150x 160
Weight	1.0 kg approx	4.2 Kg approx	4.4 Kg approx

Model	ZAU PS1 4804	ZAU PS2 4807	ZAU PS3 24812
Wattage	120- 180W	240- 345W	480- 600W
INPUT DATA			
Input Voltage	115-230V AC	115-230V AC	115-230V AC
Input Voltage Range VAC (see side label on product for input selection switch position)	90 - 135VAC 180 - 264VAC	90 - 135VAC 180 - 264VAC	90 - 135VAC 180 - 264VAC
Input Voltage Range VDC (Applicable only when input selection switch is positioned at 180-280VAC for ZAU PS1 )	250 - 373VDC	250 - 373VDC	467 - 780VDC
Line regulation	1%	1%	1%
Load Regulation (From 0% to 100% load)	0.50%	1%	1%
Inrush Current (Vn and In Load) I <sup>2</sup> t	≤ 11 A ≤ 5msec	≤ 17 A ≤ 5msec	≤ 17 A ≤ 5msec
Frequency	47 - 63 Hz ±6%	47 - 63 Hz ±6%	47 - 63 Hz ±6%
Input Current	2.8 - 1.3A	3.3 - 2.2A	8.0 - 0.42A
Internal Fuse	4A	6.3A	10A
External Fuse (recommended)	10A	16 A	16A
OUTPUT DATA			
Output Voltage Factory Setting ±3% - (Vn)	48V dc	48V dc	48V dc
Adjustment range (Vadj)	41 - 55VDC	41 - 55VDC	41 - 55VDC
Start up with capacitive load	≤50,000μF	≤50,000μF	≤50,000μF
Turn-On delay after applying mains voltage	1 sec. (max)	1 sec. (max)	1 sec. (max)
Continuous Current at 48 V < 40°C (In)	3.75A	7A	12A
Continuous Current at 48 V < 50°C (In)	3.0A	6A	11A
Continuous Current at 48 V < 60°C (In)	2.5	5A	10A
Power Boost Current (at 48VDC 60°C 3min.)	3.75A	7.5A	15A
Current Max Overload approx. 4VDC (permanent)	I <sub>max</sub> = I <sub>n</sub> 60°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)	I <sub>max</sub> = I <sub>n</sub> 50°C x (1.8 - 2.2)



# SWITCHED MODE POWER SUPPLY

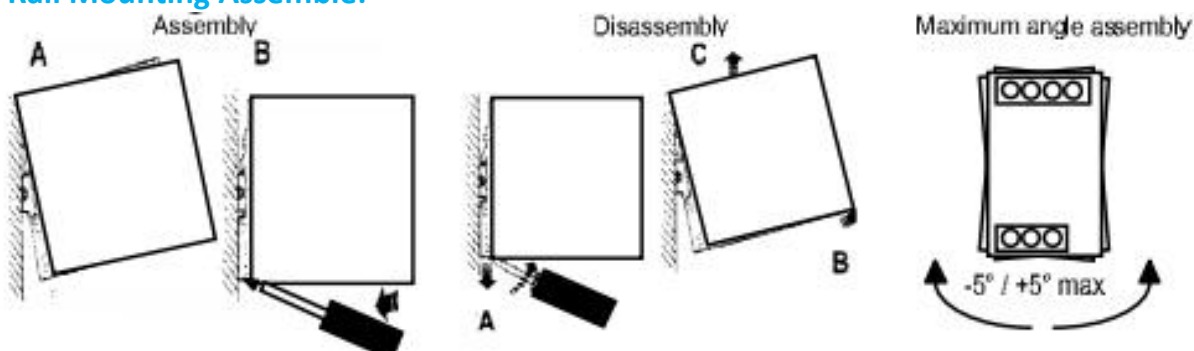
## POWER SUPPLY

Short circuit current (I <sub>cc</sub> )	7.5A	15A	30A
Power Good Relay (Trigger at)	20VDC	20VDC	20VDC
Hold-up Time ( min. VAC) 48VDC	Typ. 20 msec	Typ. 20 msec	Typ. 20 msec
Residual Ripple	80 mVpp	80 mVpp	80 mVpp
Efficiency (50% of I <sub>n</sub> )	91%	91%	92%
Dissipation power load max (W)	17	28	54
<b>CLIMATIC DATA</b>			
Ambient Temperature operation	-25 to +70°C	-25 to +70°C	-25 to +70°C
De rating T <sup>a</sup> > (I <sub>n</sub> )	> 60° 2.5% °C	> 60° 2.5% °C	> 60° 2.5% °C
Ambient Temperature Storage	-40 to +85°C	-40 to +85°C	-40 to +85°C
Humidity at 25 °C	95%	95%	95%
<b>GENERAL DATA</b>			
Isolation Voltage (IN / OUT)	3000VAC	3000VAC	3000VAC
Isolation Voltage(IN / PE)	1605VAC	1605VAC	1605VAC
Isolation Voltage(OUT / PE)	500VAC	500VAC	500VAC
Protection Class (EN/IEC 60529)	IP 20	IP 20	IP 20
Reliability (MTBF IEC 61709)	> 5,00,000 h	> 5,00,000 h	> 5,00,000 h
Pollution Degree Environment	2	2	2
Connection Terminal Blocks Screw Type	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4 mm <sup>2</sup>
Protection class (with PE connected)	I	I	I
Dimension (w-h-d)	55x110x105 mm	72x115x135 mm	85x120x140mm
Weight	0.60 kg approx	0.77 kg approx	0.75 kg approx

## Applicable Standards

Electrical Safety	UL508
Assembling device, Installation	IEC 60950 / EN 50178 , SELV EN 60950-1, PELV EN 60204-1
EMC Immunity	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-2,
EMC Emission	EN 61000-6-4
Standards Conformity	EN 60204-1 Safety of Electrical Equipment Machines

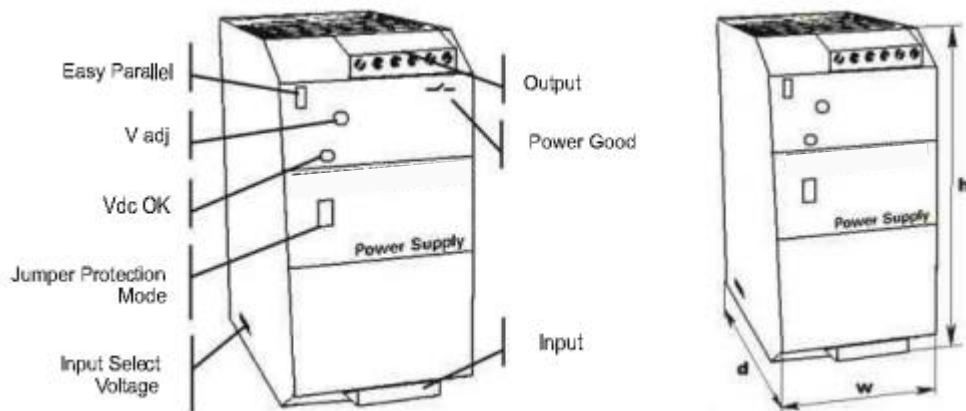
## Rail Mounting Assemble:



# SWITCHED MODE POWER SUPPLY

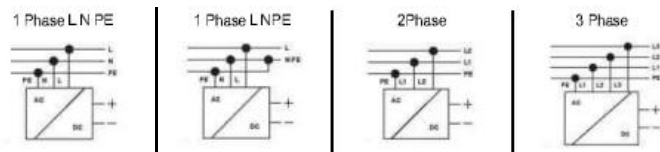
## POWER SUPPLY

### Dimension Layout



### Electrical Connections and Signals

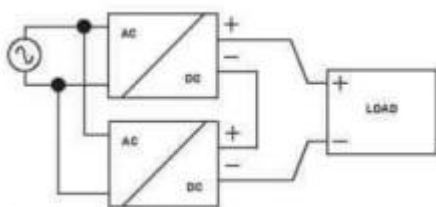
#### Normal Connection



#### Signaling

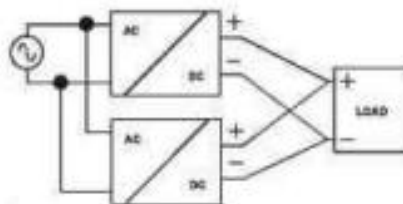
Red led (DC ok) status:	Jumper Setting
Output voltage OK: Lights up permanently	Hiccup Mode Mode/ Manual Reset / Continuous Mode
Switch off, in overload short circuit conditions	Manual Reset/ Continuous Mode
Blink in overload and short circuit condition	Hiccup Mode

#### Series Connection



When load needs higher voltage then series connection of power supply provides flexibility to full fill the load requirement by connecting meters in series adding the output voltage of the supply

#### Parallel Connection



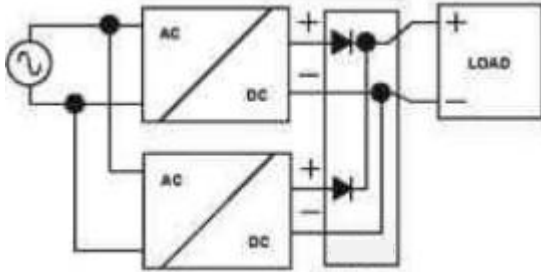
When load needs higher power then parallel connection of power supply provides flexibility to full fill the load requirement by connecting power supply in parallel by changing the jumper connection of power supply of model PS1 4812, PS1 4807, PS1 2425, PS1 2414, PS3 2425

# SWITCHED MODE POWER SUPPLY

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## POWER SUPPLY

Parallel Connection using ZAU PS 0220



For other model parallel connection is possible using ZAU PS 0220 model

## Ordering Information

Example : - ZAU PS1 2414 Model -24V DC, 14A.

# Ziegler

Redefine Innovative Metering

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