



Power Supply PSU05-045



■ Features :

- Universal AC input/Full range
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fix switching frequency at 100KHz
- 3 years warranty



SPECIFICATION

MODEL		PSU05-045
OUTPUT	DC VOLTAGE	5V
	RATED CURRENT	5A
	CURRENT RANGE	0 ~ 5A
	RATED POWER	25
	RIPPLE & NOISE (max.) Note.2	100mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V
	VOLTAGE TOLERANCE Note.3	±2.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±1.0%
SETUP, RISE, HOLD TIME	800ms, 60ms, 50ms/230VAC at full load	
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47~63Hz
	EFFICIENCY (Typ.)	72%
	AC CURRENT	1.5A/115VAC 0.75A/230VAC
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 60A/230VAC
	LEAKAGE CURRENT	<1mA / 240VAC
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed
	OVER VOLTAGE	5.75 ~ 6.75V Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	Tj 135°C typically (U1) Detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-10 ~ +50°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, TUV EN60950-1 Approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
	EMI CONDUCTION & RADIATION	Compliance to EN55011,EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3
OTHERS	EMM IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A
	MTBF	364.6K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	93*78*67mm (L*W*H)
NOTE	PACKING	0.31Kg; 48pcs/16.1Kg/1.3CUFT
	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	

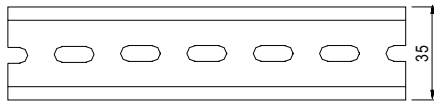
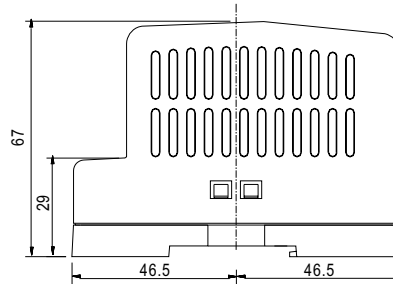
LD0053-02GB



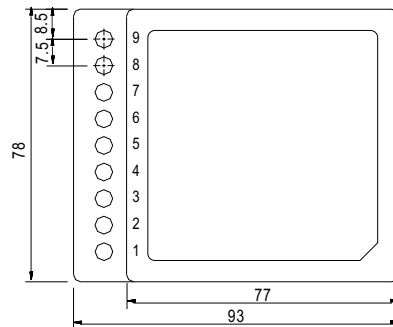
Power Supply PSU05-045

Mechanical Specification

Case No. 918A Unit:mm



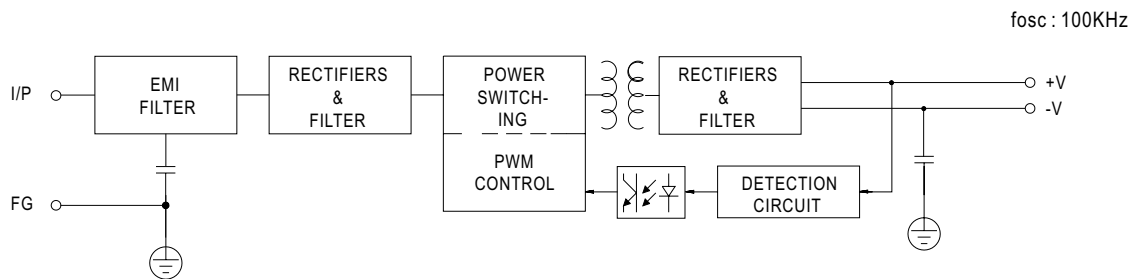
Install DIN rail TS35/7.5 or TS35/15



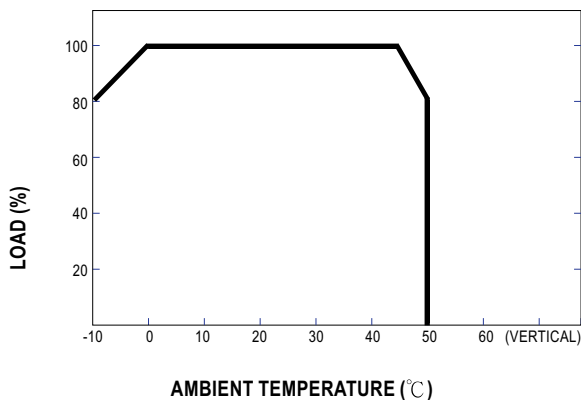
Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	6,7	DC OUTPUT+V
2	AC/N	8	LED
3	FG ⊕	9	+V ADJ.
4,5	DC OUTPUT -V		

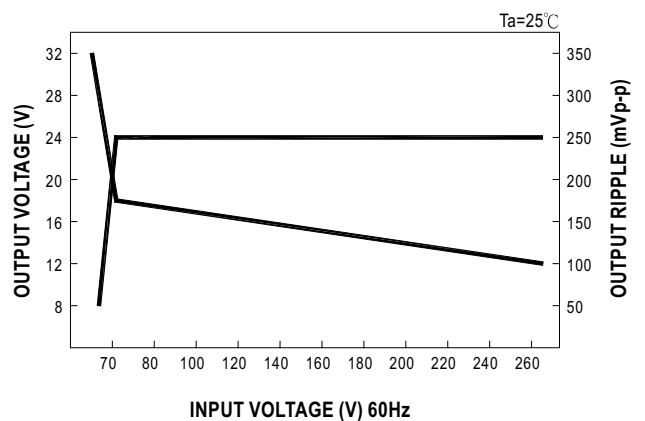
Block Diagram



Output Derating



Static Characteristics (24V)





Power Supply PSU24-075



■ Features :

- Universal AC input/Full range
- Protections:Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fix switching frequency at 50KHz
- 3 years warranty



SPECIFICATION

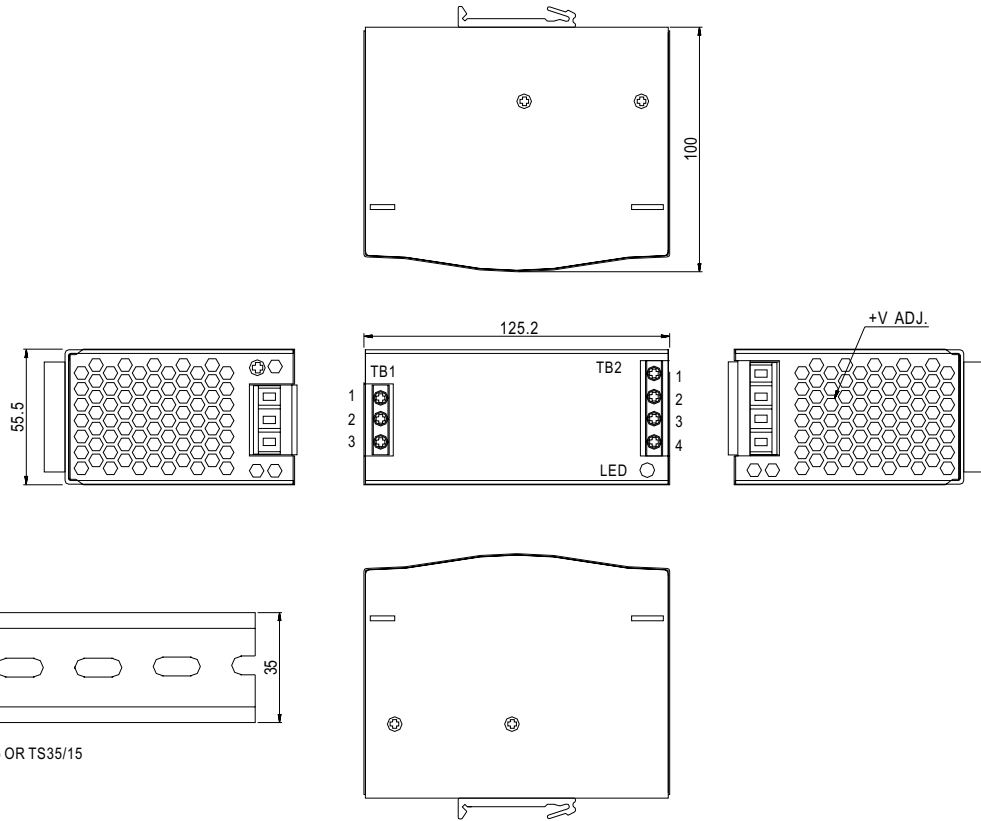
MODEL		PSU24-075		
OUTPUT	RATED CURRENT	3.2A		
	RATED POWER	76.8W		
	VOLTAGE ADJ. RANGE	24 ~ 28V		
		±		
	LINE REGULATION	0.5%		
	SETUP, RISE, HOLD TIME	1000ms, 60ms, 50ms/230VAC	1800ms, 60ms, 10ms/115VAC at full load	
	INPUT	FREQUENCY RANGE	47 ~ 63Hz	
EFFICIENCY (Typ.)		80%		
AC CURRENT		2A/115V	1.2A/230V	
LEAKAGE CURRENT		<1mA / 240VAC		
PROTECTION		OVER VOLTAGE	15 ~ 16.5V	29 ~ 34V
		Protection type : Hiccup mode, recovers automatically after fault condition is removed		
		°C ± °C		
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)		
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH		
		± °C °C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 4)	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	I/P-FG:1.5KVAC	O/P-FG:0.5KVAC
	EMI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22) Class B		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A		
OTHERS	DIMENSION	55.5*125.2*100mm (W*H*D)		
		°C		
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.			



Power Supply PSU24-075

Mechanical Specification

Case No. 923 Unit:mm



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

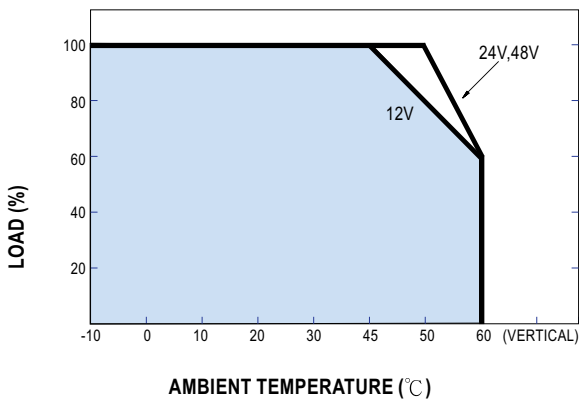
Terminal Pin. No Assignment (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

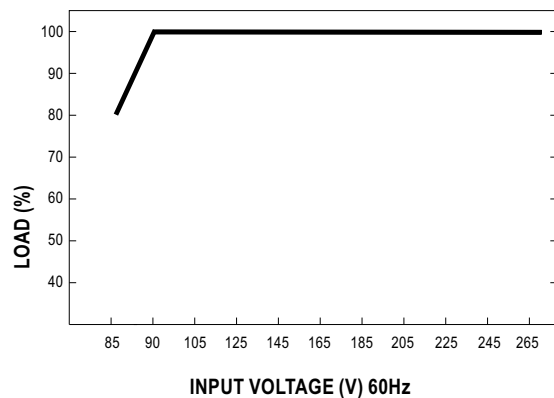
Terminal Pin. No Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

Output Derating



Output Derating Vs Input Voltage





Power Supply PSU24-240 and PSU48-240



■ Features :

- Universal AC input / Full range
- Built in active PFC function, PF>0.95
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 100KHz
- 3 years warranty



SPECIFICATION

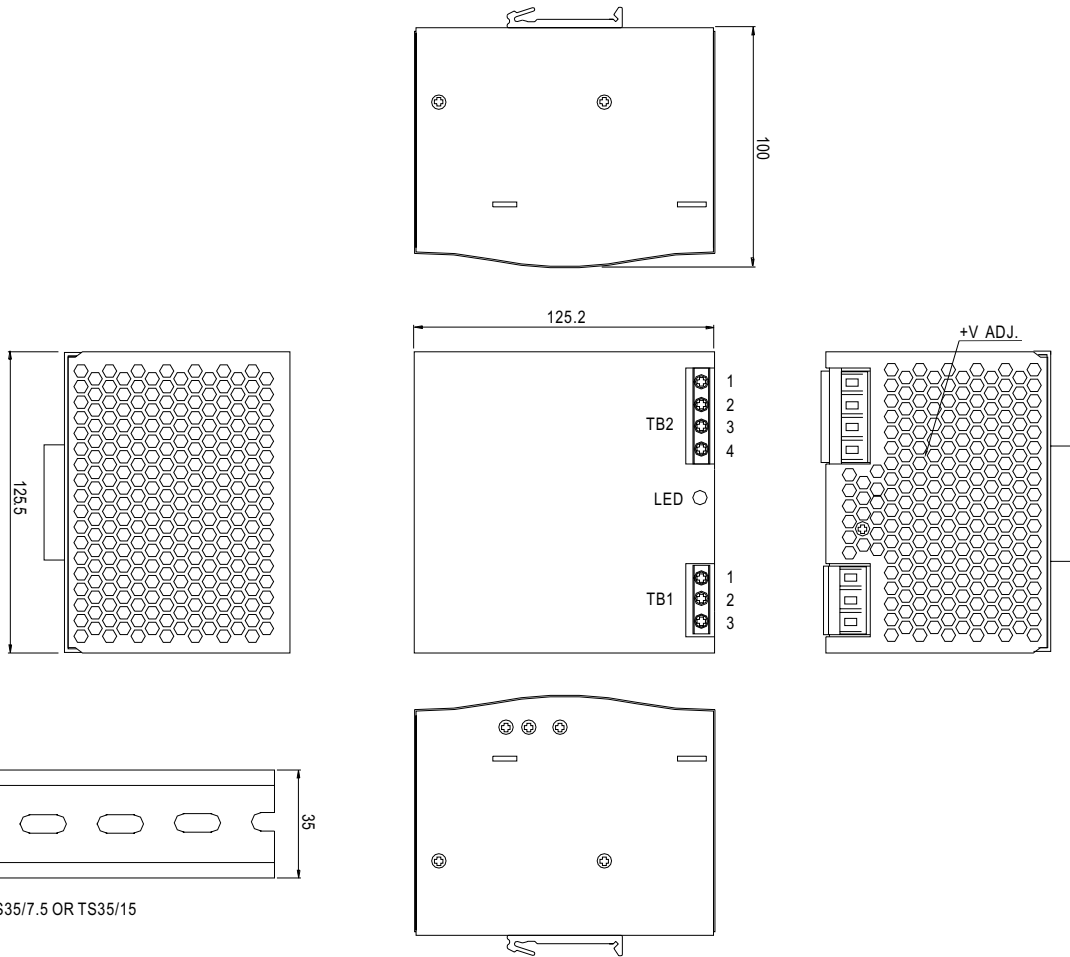
MODEL		PSU24-240	PSU48-240
OUTPUT	DC VOLTAGE	24V	48V
	RATED CURRENT	10A	5A
	CURRENT RANGE	0 ~ 10A	0 ~ 5A
	RATED POWER	240W	240W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	24 ~ 28V	48 ~ 53V
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%
	LOAD REGULATION	±1.0%	±1.0%
SETUP, RISE, HOLD TIME	800ms, 40ms, 20ms/230VAC 800ms, 40ms, 20ms/115VAC at full load		
INPUT	VOLTAGE RANGE Note.5	85 ~ 264VAC 120 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR	PF>0.95/230VAC PF>0.98/115VAC at full load	
	EFFICIENCY (Typ.)	84%	85%
	AC CURRENT	3.5A/115VAC 1.8A/230VAC	
	INRUSH CURRENT (max.)	COLD START 30A/115VAC 50A/230VAC	
	LEAKAGE CURRENT	<3.5mA / 240VAC	
PROTECTION	OVER LOAD	105 ~ 150% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	30 ~ 36V	54 ~ 60V
	OVER TEMPERATURE	100°C ±5°C (TSW1) Detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
ENVIRONMENT	WORKING TEMP.	-10 ~ +70°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	UL508, UL60950-1, TUV EN60950-1 Approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2, -3	
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A	
OTHERS	MTBF	105.5Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	125.5*125.2*100mm (W*H*D)	
	PACKING	1.2Kg; 12pcs/15.5Kg/1.2CUFT	
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. Derating may be needed under low input voltages. Please check the derating curve for more details. 		



Power Supply PSU24-240 and PSU48-240

Mechanical Specification

Case No. 922 Unit:mm



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

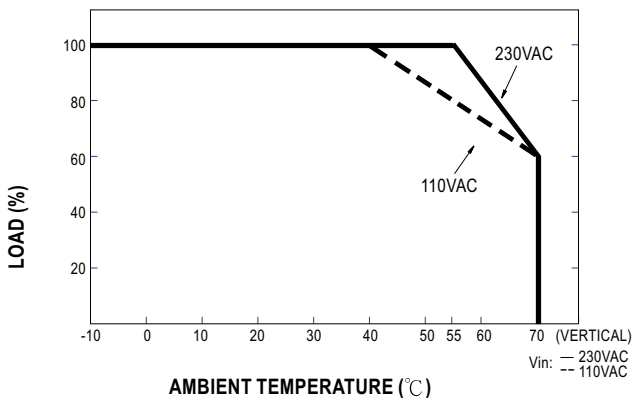
Terminal Pin. No Assignment (TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N
3	AC/L

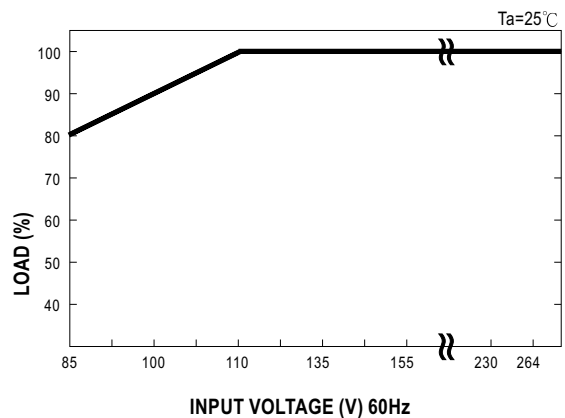
Terminal Pin. No Assignment (TB2)

Pin No.	Assignment
1,2	DC OUTPUT +V
3,4	DC OUTPUT -V

Output Derating



Output derating VS input voltage





Power Supply PSU48-0800



■ Features :

- AC 180~260VAC input
- PF> 0.98@ 230VAC
- Protections: Short circuit/ Overload/ Over voltage/ Over temperature
- Built in remote sense function
- Built-in remote ON-OFF control
- Power good signal
- With parallel function(N+1)
- Can adjust from 20~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- 3 years warranty



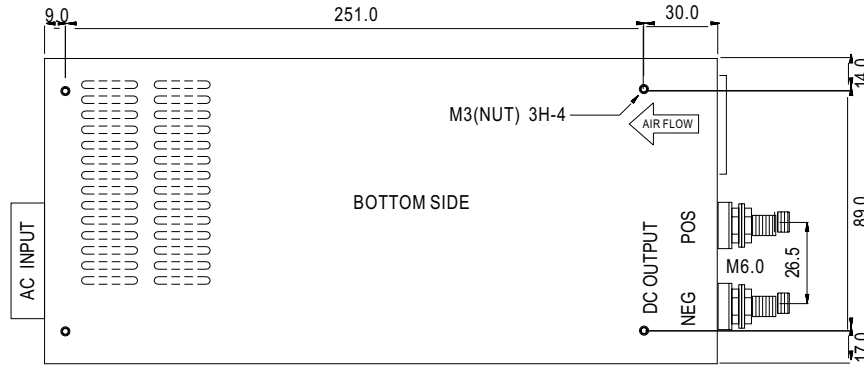
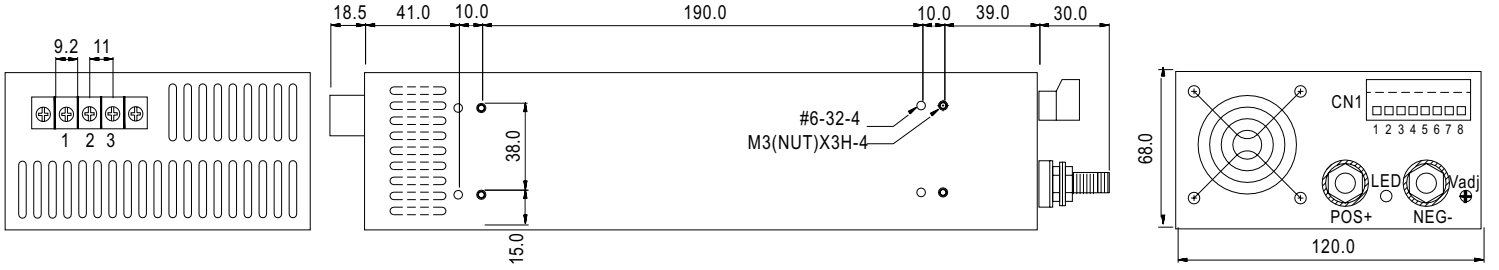
SPECIFICATION

ORDER NO.	PSU48-0800	
OUTPUT	SAFETY MODEL NO.	800S-P048
	DC VOLTAGE	48V
	RATED CURRENT	16A
	CURRENT RANGE	0 ~ 16A
	RATED POWER	768W
	RIPPLE & NOISE (max.) Note.2	480mVp-p
	VOLTAGE ADJ. RANGE	±5.0% Typical adjustment by potentiometer 20% ~ 100% adjustment by 1 ~ 5VDC external control
	VOLTAGE TOLERANCE Note.3	±1.0%
	LINE REGULATION	± 0.5%
	LOAD REGULATION	± 0.5%
SETUP, RISE, HOLD TIME	800ms, 400ms, 12ms at full load	
INPUT	VOLTAGE RANGE	180~260VAC 260~370VDC see the derating curve
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR	>0.98 / 230VAC
	EFFICIENCY (Typ.)	89%
	AC CURRENT	5.0A / 230VAC
	INRUSH CURRENT (max.)	60A / 230VAC
	LEAKAGE CURRENT(max.)	3.5mA / 240VAC
PROTECTION	OVER LOAD Note.4	105~115% rated output power Protection type : Current limiting, delay shut down o/p voltage, re-power on to recover
	OVER VOLTAGE	110 ~ 135% Follow to output set up point Protection type : Shut down o/p voltage, re-power on to recover
	OVER TEMPERATURE	>100°C / measure by heat sink, near transformer Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-20 ~ +65°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C 10~95% RH
	TEMP. COEFFICIENT	±0.04% / °C (0 ~ 50°C)
	VIBRATION	10 ~ 200Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY & EMC (Note. 5)	SAFETY STANDARDS	UL60950, TUV EN60950 Approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, OP/FG:100M Ohms / 500VDC
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) class A
	HARMONIC CURRENT	Compliance to EN61000-3-2,3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A
	POWER GOOD SIGNAL	Open collector of NPN transistor
	SPECIAL FUNCTION	DC Voltage Adj., remote sensing, remote control, parallel operation(refer to control terminal instruction manual)
	COOLING	By fan, >20% load or >50°C fan on
	MTBF	74.9K hrs min. MIL-HDBK-217F(25°C)
	DIMENSION	290*120*68mm (L*W*H)
PACKING	2.3kg; 8pcs / 20kg / CARTON	
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Current limiting 3 times(1.5s,3.0s,5.0s)Then intelligent auto recovery before shut down 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.	



Mechanical Specification

Unit:mm



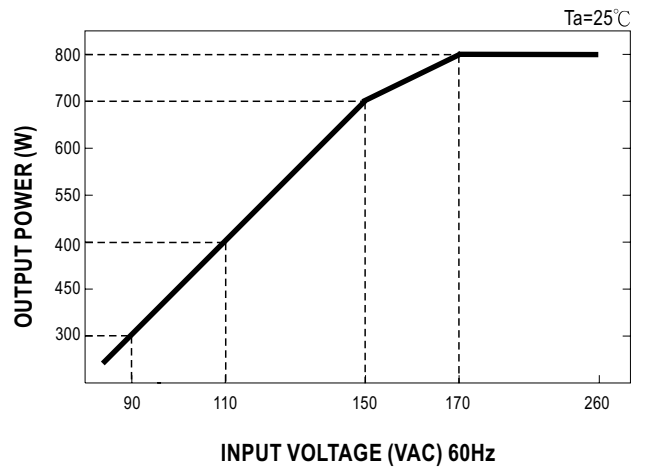
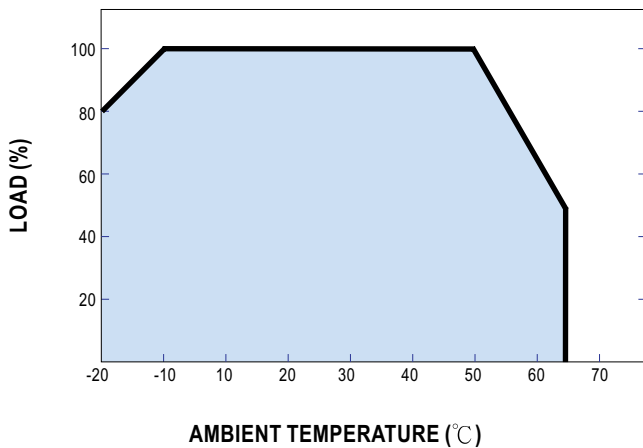
Terminal Pin. No. Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG \perp

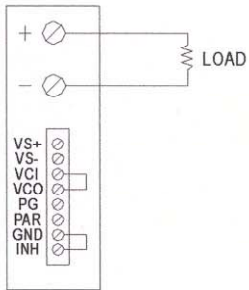
Control terminal Pin. No. Assignment (CN1) : Dinkle 51HDBC-O8P or equivalent

Pin No.	Assignment	Pin No.	Assignment	Mating With
1	VS+	5	PG	Dinkle 51SDB-O8P or equivalent
2	VS-	6	PAR	
3	VCI	7	GND	
4	VCO	8	INH	

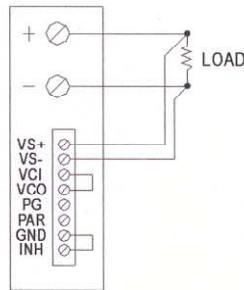
Derating Curve



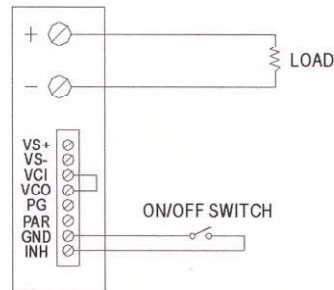
Control terminal instruction manual



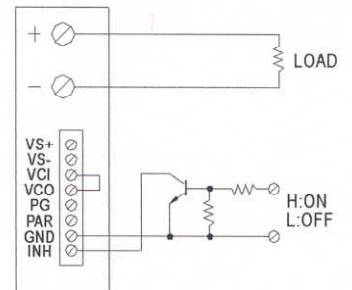
USING INTERNAL VOLTAGE CONTROL



REMOTE SENSING

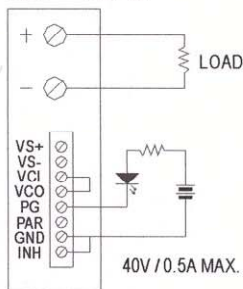


ON/OFF CONTROL BY SWITCH

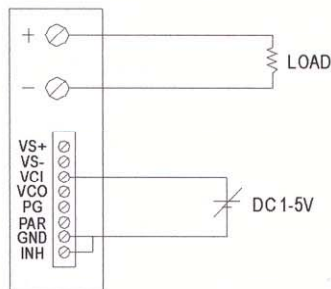


ON/OFF CONTROL BY TRANSISTOR

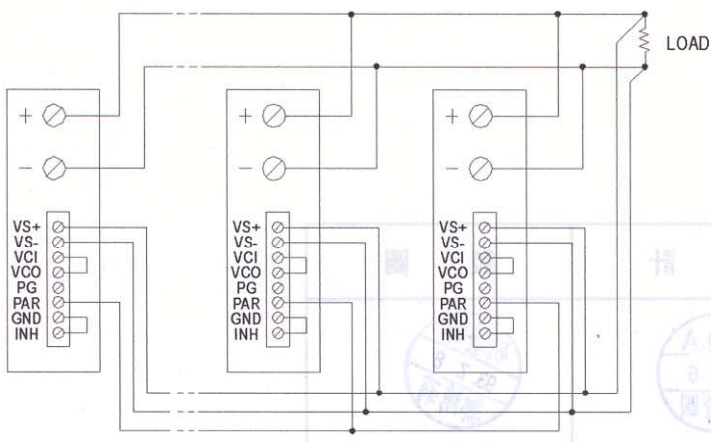
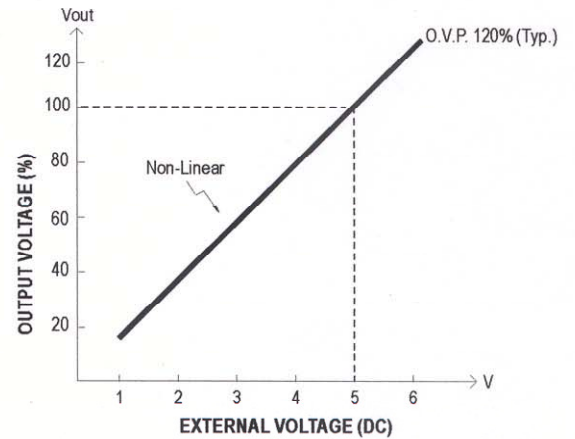
GOOD : LED OFF
FAIL : LED ON



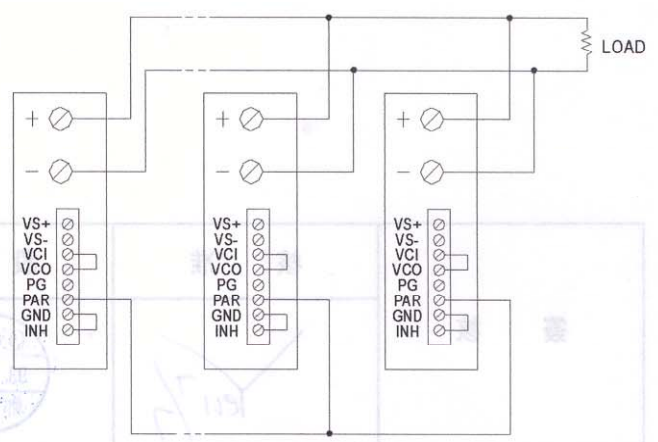
POWER GOOD SIGNAL



OUTPUT VOLTAGE ADJUST WITH DC 1-5V



PARALLEL OPERATION WITH REMOTE SENSING



PARALLEL OPERATION WITHOUT REMOTE SENSING



Power Supply PSU48-1000



■ Features :

- Universal AC input / Full range
- AC input active surge current limiting
- Built-in active PFC function, PF>0.95
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Built-in constant current limiting circuit
- Current sharing up to 2 units or 2000W
- Built-in remote ON-OFF control
- Built-in remote sense function
- Built-in active current sharing and parallel function
- 3 years warranty

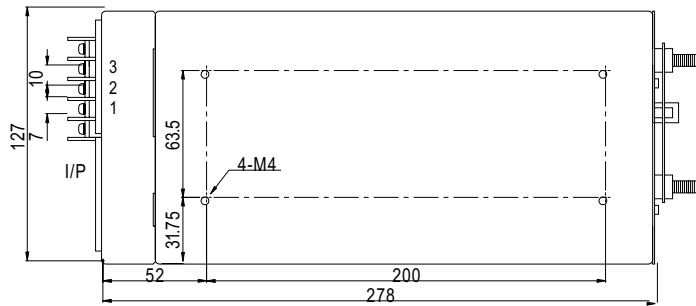
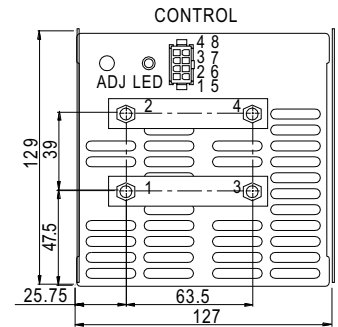
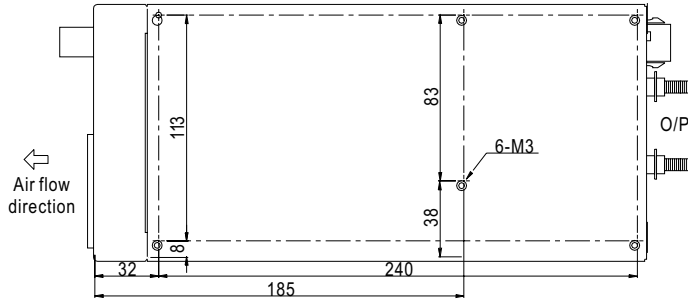
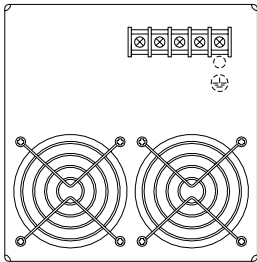
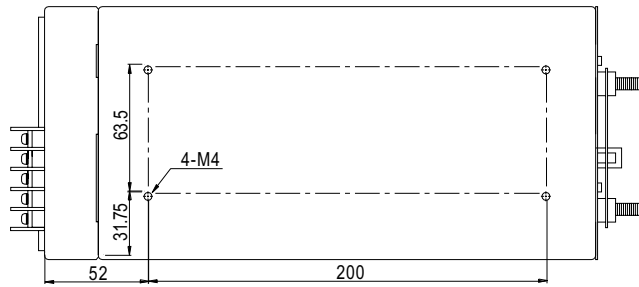


SPECIFICATION

MODEL		PSU48-1000		
OUTPUT	DC VOLTAGE	48V		
	RATED CURRENT	19A		
	CURRENT RANGE	0 ~ 19A		
	RATED POWER	912W		
	PEAK LOAD <small>Note.4</small>	1000W		
	RIPPLE & NOISE (max.) <small>Note.2</small>	200mVp-p		
	VOLTAGE ADJ. RANGE	41 ~ 56V		
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%		
	LINE REGULATION	± 0.2%		
	LOAD REGULATION	± 0.5%		
SETUP, RISE, HOLD TIME	1.5s, 50ms, 15ms/230VAC	1.5s, 50ms, 1.5ms/115VAC at full load		
INPUT	VOLTAGE RANGE <small>Note.6</small>	90 ~ 264VAC	127 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR	PF>0.95/230VAC	PF>0.95/115VAC at full load	
	EFFICIENCY (Typ.)	86%		
	AC CURRENT	14A/115AVC	7A/230VAC	
	INRUSH CURRENT (max.)	40A/115VAC	70A/230VAC	
	LEAKAGE CURRENT	<2mA / 240VAC		
PROTECTION	OVER LOAD	115 ~ 140% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	57.6 ~ 67.2V Protection type : Shut down o/p voltage, re-power on to recover		
	OVER TEMPERATURE	95°C (TSW1) Detect on the heatsink of PFC MOSFET 90°C (TSW2) Detect the winding of output choke Protection type : Shut down o/p voltage, recovers automatically after temperature goes down		
FUNCTION	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V=power on ; 4 ~ 10V=power off sink current <20mA		
ENVIRONMENT	WORKING TEMP.	-10 ~ +65°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes		
SAFETY & EMC (Note 5)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC		
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B		
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A		
	MTBF	59.6K hrs min. MIL-HDBK-217F (25°C)		
	DIMENSION	278*129*127mm (L*W*H)		
	PACKING	5.2Kg; 3pcs/16.3Kg/1.42CUFT		
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. 10% Duty cycle maximum within every 30 seconds(max.). Average output power should not exceed the rated power. 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 6. Derating may be needed under low input voltages. Please check the derating curve for more details. 			

Mechanical Specification

Case No. 924 Unit:mm



AC Input Terminal Pin. No. Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG \perp

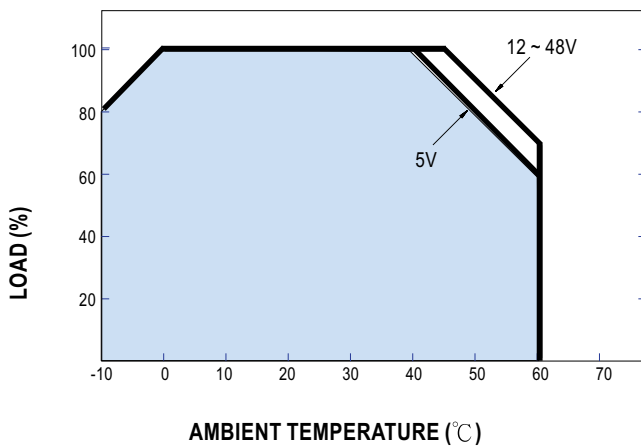
DC Output Terminal Pin. No Assignment

Pin No.	Assignment
1,3	DC OUTPUT +V
2,4	DC OUTPUT -V

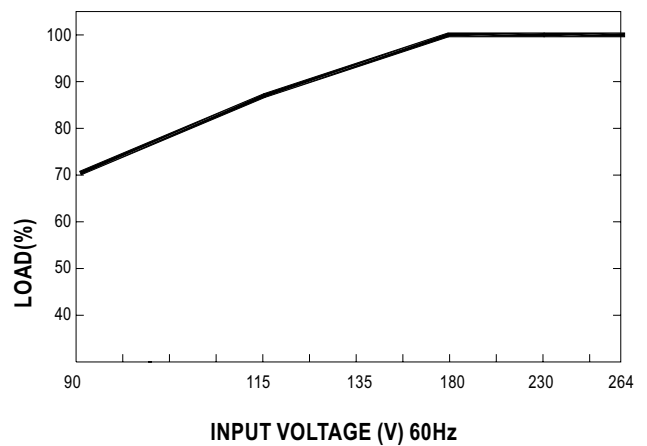
Control Pin. No Assignment : MOLEX 5559-NP uses 5558male crimp terminal

Pin No.	Assignment	Pin No.	Assignment	Mating connector	Terminal
1	P(Current share)	5	NC	MOLEX 5557-NR	MOLEX 5556 Female crimp Terminal receptacle
2	-S	6	NC		
3	G	7	+S		
4	RC-	8	RC+		

Derating Curve



Output Derating VS Input Voltage





Power Supply PSU48-1500



■ Features :

- AC input active surge current limiting
- Built-in active PFC function, PF>0.95
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control
- Built-in remote sense function
- 3 years warranty

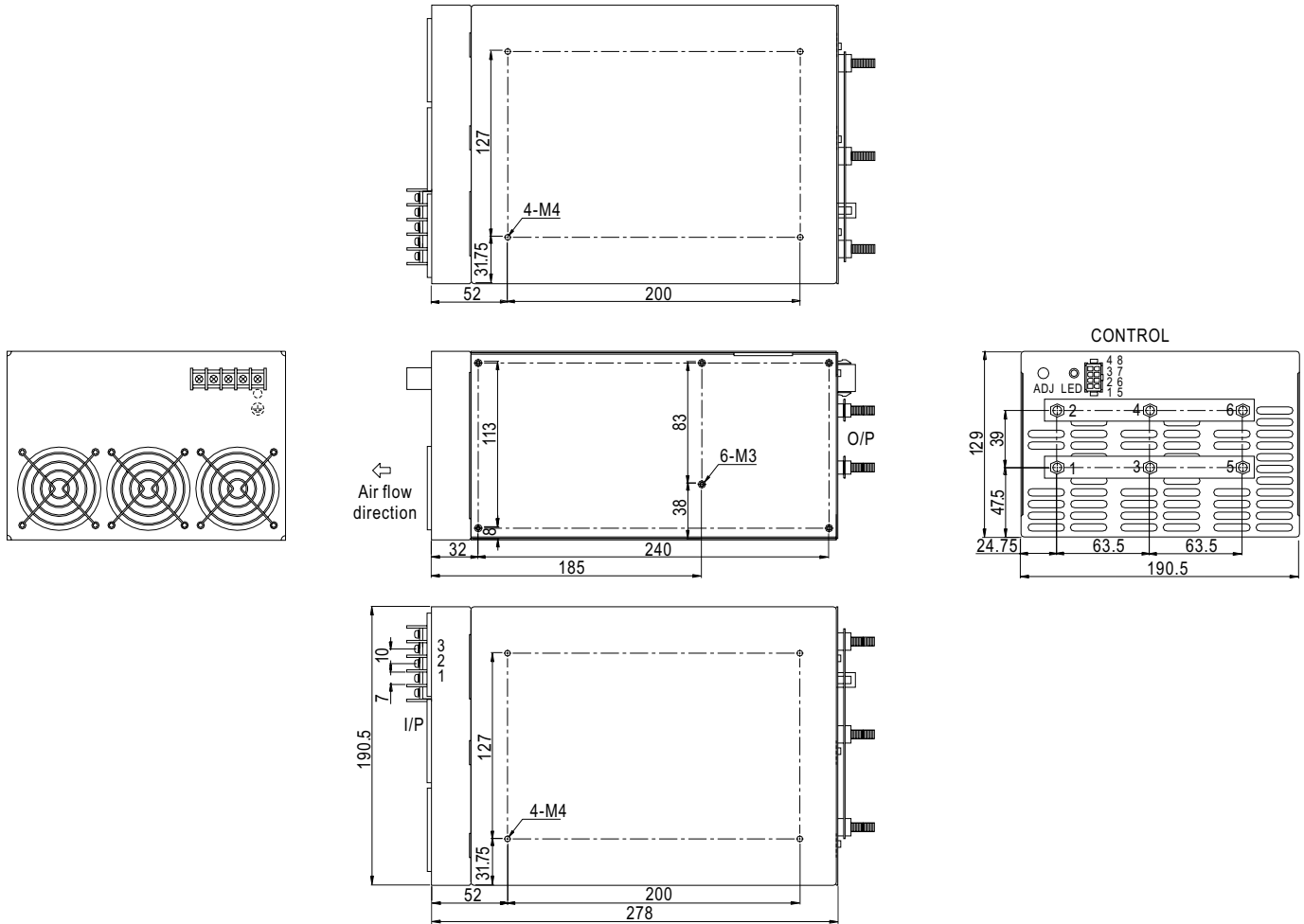


SPECIFICATION

MODEL		PSU48-1500	
OUTPUT	DC VOLTAGE	48V	
	RATED CURRENT	28.5A	
	CURRENT RANGE	0 ~ 28.5A	
	RATED POWER	1368W	
	PEAK LOAD <small>Note.4</small>	1500W	
	RIPPLE & NOISE (max.) <small>Note.2</small>	200mVp-p	
	VOLTAGE ADJ. RANGE	41 ~ 56V	
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%	
	LINE REGULATION	± 0.2%	
	LOAD REGULATION	± 0.5%	
SETUP, RISE, HOLD TIME	1.5s, 50ms, 15ms/230VAC at full load		
INPUT	VOLTAGE RANGE	176 ~ 264VAC	248 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	POWER FACTOR	PF>0.95/230VAC at full load	
	EFFICIENCY (Typ.)	86%	
	AC CURRENT	10.5A/230VAC	
	INRUSH CURRENT (max.)	100A/230VAC	
LEAKAGE CURRENT	<3.5mA / 240VAC		
PROTECTION	OVER LOAD	115 ~ 140% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	57.6 ~ 67.2V Protection type : Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	95°C (TSW1) Detect on the heatsink of PFC MOSFET 90°C (TSW2) Detect the winding of output choke Protection type : Shut down o/p voltage, recovers automatically after temperature goes down	
FUNCTION	REMOTE CONTROL	RC+/RC-: 0 ~ 0.8V=power on ; 4 ~ 10V=power off sink current <30mA	
ENVIRONMENT	WORKING TEMP.	-10 ~ +65°C (Refer to output load derating curve)	
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC <small>(Note 5)</small>	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC	
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, Light industry level, criteria A		
OTHERS	MTBF	43.4K hrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	278*129*190.5mm (L*W*H)	
	PACKING	7.4Kg; 2pcs/15.5Kg/1.28CUFT	
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. 10% Duty cycle maximum within every 30 seconds(max.). Average output power should not exceed the rated power. 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 		

Mechanical Specification

Case No. 925 Unit:mm



AC Input Terminal Pin. No Assignment

Pin No.	Assignment
1	AC/L
2	AC/N
3	FG \perp

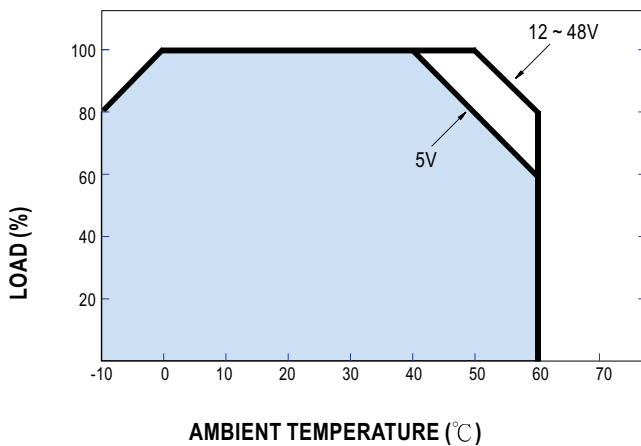
DC Output Terminal Pin. No Assignment

Pin No.	Assignment
1,3,5	DC OUTPUT +V
2,4,6	DC OUTPUT -V

Control Pin. No Assignment : MOLEX 5559-NP uses 5558male crimp terminal

Pin No.	Assignment	Pin No.	Assignment	Mating connector	Terminal
1	NC	5	NC	MOLEX 5557-NR	MOLEX 5556 Female crimp Terminal receptacle
2	-S	6	NC		
3	G	7	+S		
4	RC-	8	RC+		

Derating Curve



Output Derating VS Input Voltage

