



Size: 9.84in x 5in x 1.59in (250mm x 127mm x 40.5mm)

FEATURES

 Wide Input Voltage Range 85-264VAC or 120~370VDC

Rev B

- Accepts AC or DC Input (Dual-Use of Same Terminal)
- Built-In Active PFC Function
- Support 3+1 Parallel Redundancy, Current • Sharing
- RoHS Compliant
- High Efficiency

APPLICATIONS

- Industrial

- Telecommunications
- Smart Home

- Output Short Circuit, 5S Constant Current, Over Voltage, and Over Temperature Protection
- High Reliability
- Operating Up to 5000M Altitude
- Automatic Adjustable Fan Speed
- Safety Class I
- BS EN62368-1 & EN62368-1 Safety Approvals
- Designed to Meet IEC/UL62368-1, EN/ES/IEC60601-1, IEC60335-1, GB4943.1

DESCRIPTION

- LED
- Street Light Control
- Security

The PSEW1500 series of AC/DC switching power supplies offers up to 1546 watts of output power in an enclosed 9.84" x 5" x 1.59" package. This series consists of dual output models with an input voltage range of 84~64VAC or 120~370VAC as this series accepts AC or DC input. Each model features built-in active PFC function, 3+1 parallel redundancy, and automatic adjustable fan speed. This series has short circuit, 5S constant current, over voltage, and over temperature protection, and has BS EN62368-1 and EN62368-1 safety approvals. It is designed to meet IEC/UL62368-1, EN/ES/IEC60601-1, IEC60335-1, GB4943.1.

	MODEL SELECTION TABLE									
Madal Number ⁽¹⁾	Input Voltage	Output	Nominal O	utput Voltage	Nominal Out	out Current	Main Output Voltage	Тур.	Max. Capac	itive Load
	Range	Power	Vo1	Vo2	lo1	lo2	Adjustable Range ADJ	Efficiency	Vo1	Vo2
PSEW1500-125		1510W	12V		125A		12-14.4V	0.20/	40000µF	
PSEW1500-155		1510W	15V		100A		15-18V	9270	20000µF	
PSEW1500-245	95~264\/AC	1510W	24V		62.5A		24-28.8V		10000µF	
PSEW1500-275	(120 370)/DC)	1522W	27V	5V	56A	2A	27-32.4V		8000µF	1000µF
PSEW1500-365	(120-370700)	1522W	36V		42A		36-43.2V	94%	6000µF	
PSEW1500-485		1546W	48V		32A		48-56V		4000µF	
PSEW1500-545		1522W	54V		28A		54-58V		3000µF	

SPECIFICATIONS

All specifications are based on 25°C, Humidity <75%RH, Nominal Input Voltage, and Rated Output Load unless otherwise noted. We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CO	Min	Тур	Max	Unit		
INPUT SPECIFICATIONS							
	Rated Input	100		240	VAC		
Input Voltage Range	AC Input		85		264	VAC	
	DC Input		120		370	VDC	
Input Voltage Frequency			47		63	Hz	
Input Current	115VAC				15.5		
Input Current	230VAC				8	A	
Inruch Current	Cold Stort	115VAC		3.7	20	•	
	Cold Start	230VAC		6.5	40		
Dowor Footor	Room Tomporatura, Full Load	115VAC		≥0.99			
Power Factor	Room-remperature, Fuil Load	230VAC		≥0.95			
Leakage Current	240VAC	Earth Leakage Current				mA	
		Touch Current			0.5		
Hot Plug			Unavailable				
OUTPUT SPECIFICATIONS							
Output Voltage				See 7	Гable		
Voltago Accuracy	Full Load Pango	Vo1		±1.0		0/2	
Vollage Accuracy	Full Load Range	Vo2		±2.0		70	
Line Pequilation	Poted Load	Vo1		±0.5		%	
	Naleu Luau	Vo2		±1.0			
Load Regulation	0%-100% Load	Vo1		±0.5		0/_	
	078-10078 E0au	Vo2		±3.0		70	
Output Voltage Adjustable Range				See 7	Table		
Output Power				See 7	Гable		
Output Current				See 7	Table		
Minimum Load			0			%	
Dynamic Minimum Load			10			%	
Maximum Capacitive Load	e Load						



SPECIFICATIONS All specifications are based on 25°C, Humidity <75%RH, Nominal Input Voltage, and Rated Output Load unless otherwise noted. We reserve the right to change specifications based on technological advances SPECIFICATION TEST CONDITIONS Min Max Unit Typ OUTPUT SPECIFICATIONS (CONT.) Vo1: 12V/15V/24V/27V 150 Vo1: 36V/48V 200 20MHz bandwidth Ripple & Noise⁽⁴⁾ mV (peak-to-peak value) Vo1: 54V 250 Vo2: 5V 100 Hold-Up Time Full Input Voltage 12 ms The fan speed is linearly adjusted and determined by the output power and output voltage together Fan PROTECTION Short Circuit Protection⁽⁵⁾ Recovery time is <5s after the short-circuit disappears Hiccup, self-recovery Constant Current Constant current limit, output voltage 230VAC turn off after 5s, self-recover Protection⁽⁶⁾ 12V ≤16.5 15V ≤25 24V ≤33 Output voltage turn off, re-power & PS ON Over Voltage Protection 27V ≤35 for recovery V 36V ≤48 <60 48\/ 54V ≤63 Over Temperature Over Temperature Protection Activation 70 °C Over Temperature Protection Deactivation 50 Protection ENVIRONMENTAL SPECIFICATIONS Operating Temperature -40 +70°C Storage Temperature -40 +85 °C Storage Humidity Non-Condensing 10 95 %RH Operating Humidity 20 90 %RH Non-Condensing -40°C to -30°C 5 12V/15V -30°C to 45°C 0 **Operating Temperature** 45°C to 70°C 1.6 %/°C Derating -40°C to -30°C 5 Power Derating 24V/27V/36V/48V/54V -30°C to 50°C 0 50°C to 70°C 2 85VAC-100VAC %/VAC 2 Input Voltage Derating 120VDC-200VDC 0.875 %/VDC MTBF MIL-HDBK-217F@25°C 250,000 н **GENERAL SPECIFICATIONS** Efficiency 230VAC See Table Input – Output 4000 Electric Strength Test for 1min., leakage current Isolation Test 2000 VAC Input - ± <10mA Output - ± 1250 Environment Temperature: 25±5°C Input – Output 100 Relative Humidity: <95%RH, non-condensing Input - 📥 Insulation Resistance 100 MO Testing Voltage: 500VDC Output - 🛨 100 PFC @Rated Output 65 Switching Frequency kH7 LLC @Rated Output 85 Input – Output 2xMOPP Input - 📥 Isolation Level 1xMOPP Output - 🚽 1xMOPP FUNCTIONAL SPECIFICATIONS PS ON (CN7, Pin6) and GND (CN7, Power On Pin 7/14) are shorted All Input Voltage Range Remote Control Switch All Load Range PS ON (CN7 Pin6) and GND (CN7 Power Off pin 7/14) are open All Input Voltage Range Power On 2.5 5 DC OK Signal V All Load Range Power Off 0.5 Support direct parallel use, achieve Oring 3+1 parallel redundancy % **Current Sharing Accuracy** Output>50%lo1 ±5 Normal Output Green On LED Signal⁽⁷⁾ Main Output Status Indication Abnormal Output, Protected Red On Power Off (AC without Input) Light Off Remote Sense Total Compensate Voltage, Vs+/Vs- (CN7 Pin 1/8) shorted to Vo+/Vo- respectively 200 mV

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SDA, SCL for I²C

Internal 2.4kΩ pull-up resistor to internal 3.3V

SPECIFICATIONS							
All specific	cations are based on 25°C, Humidi	ty <75%RH, Nominal	Input Voltage, and Rated Output Loa	ad unless c	therwise r	noted.	
	We reserve the right	to change specificati	ons based on technological advance	es.		1	
SPECIFICATION		TEST CONDITION	S	Min	Тур	Max	Unit
PHYSICAL SPECIFICA	TIONS						
Weight					3.97lbs	(1.8kg)	
Dimensions (L x W x H)			(250r	9.84in x 5ii nm x 127n	n x 1.59in nm x 40.5ı	mm)	
Case Material					SUS	304	
SAFETY CHARACTERI	STICS						
					BS EN623	868-1 & EN	162368-1
Safety Standard ⁽⁸⁾			Design Refers to	IEC/UL	62368-1, E IEC6	EN/ES/IEC 60335-1, C	60601-1, 3B4943.1
Safety Class							Class I
	CE	CISPR32/EN55032					Class B
Emissions	RE	CISPR32/EN55032					Class B
	Harmonic Current	EN61000-3-2					Class A
	ESD	IEC/EN 61000-4-2	Contact ±8KV/Air ±15KV			Perf.	Criteria B
	RS	IEC/EN 61000-4-3	10V/m			Perf.	Criteria A
	EFT	IEC/EN 61000-4-4	±4KV			Perf.	Criteria B
Immunity	Surge	IEC/EN 61000-4-5	Line to line ±2KV/line to PE ±4KV			Perf.	Criteria B
	CS	IEC/EN 61000-4-6	10 Vr.m.s			Perf.	Criteria A
	Voltage dips, short interruptions and voltage variations	IEC/EN 61000-4-11	0%, 70%			Perf.	Criteria B

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NOTES

1. Add "Q" to model number for conformal coating on both sides.

2. Before powering on the product, please confirm whether the control signal connection terminal (CN7P Pin6 (PS_ON) and Pin7 (GND) short circuit jumper cap are connected. If not, the power product without output. When the control signal connection terminal (CN7) of the product are external connected as a whole, please ensure that Pin6 and Pin7 (or Pin14) are short circuit connected. Contact factory for more information.

- 3. When using the current sharing function for all models, do not directly increase the load on the system beyond the rated load of a single prototype when the power is turned on for the first time.
- 4. Tip and barrel method is used for ripple and noise test. Output parallel 47uF electrolytic capacitor and 0.1uF ceramic capacitor, contact factory for more information
- 5. For auxiliary short-circuit mode, refer to application manual below.
- 6. Over current protection is realized in constant current mode, see application manual below.
- 7. If the product is used in medical equipment, terminal system should shield the LED signal light to meet the medical certification requirements that operators should not see the indicator light after the product is installed.
- 8. This product is Listed to applicable standards and requirements by UL.
- 9. Room temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m
- 10. Product customization service is available, please contact factory for more details.
- 11. Out case needs to be connected to PE $(\frac{1}{2})$ of system when terminal equipment in operation.
- 12. Products should be classified according to ISO14001 and related environmental laws and regulations and should be handled by qualified units.
- 13. Power supply is considered a component which will be installed into terminal equipment. All EMC tests should be confirmed with final equipment. Consult factory for EMC test operation instructions.
- 14. In the appearance dimension drawing, ±Vo represents the main output, ±S represents the auxiliary output, and the auxiliary output can be selected by the customer, which has no effect on the main output.

*Due to advances in technology, specifications subject to change without notice.

DERATING CURVES





2. This product is suitable for use in a natural air-cooling environment. If using in closed environment, contact factory.

EFFICIENCY GRAPHS



Rev B

MECHANICAL DRAWINGS

THIRD ANGLE PROJECTION 💮 🧲								
Pin-Out								
		Pin			Ν	Лar	k	
		1			A	C(L	_)	
		2			A	C(N	N)	
		3			6	£)		
		4			-Vo Ma	ain	Output	
		5			+Vo Ma	ain	Output	
		6		ADJ (Output Ac	djus	stable Resistor	
		1						
P	osition	Sc	rew Sp	Dec.	L (Max)	Torque (Max.)	
(1-8		M3		3mm		08N·m	
		_						
			2 1 - 1	CON5	(Auxiliary	0	utput)	
	Pin-Out			С	ustomer	Со	nnector	
Pir	n Mar	k	Con	nnector: XHS2.5-2Y (KANGDAO) or				
1	-5			equivalent				
	-0		Terminal: XH2 5-TE (KANGDAO) or					
2	+S		10	equivalent				
					1			
		Pin	-Out			С	Customer Connector	
Pin	Mar	ĸ	Pin	N	/lark			
1	VS+	-	8	```	VS-		Connector: JST	
2	CURRE SHAF	URRENT 9		ADDRESS0			PHDR- 14VS or equivalent	
3	DC C)K	10	ADD	RESS1	1	·····	
4	SCL	_	11	ADD	RESS2	1	Terminal: JST	
5	SDA	١	12	F	RXD	S	SPHD-002T-P0.5 or	
6	PS C	N	13	٦	ΓXD	1	equivalent	
7	GNE)	14	C	SND			





APPLICATION NOTES



Note:

1.

2.

3. 4.

5. 6.

7.

Unit: mm [inch]

Pin 1,2,3 wire range: 22-12AWG

PSEW1000 series of products.

operation instructions.

Pin 1,2,3 Connector tightening torque: M4, 1.2N·m (Max) Pin 4,5 Connector Tightening Torque: M5, 2.3N·m (Max)

based on the output side, which is compatible with our

General Tolerances: ±1.00 [±0.039] The bottom mounting hole of PSEW1500 series products is

PSEW1500 series products can be used with adapter plate: compatible with the installation mode of mainstream 1500W products in the market. Contact factory for EMC test

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Fig. 1 Appearance Information of PSEW1500

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- **Composition Structure Description** 1. AC/DC Input Terminal (J1)
- 2. DC Main Output Terminal (J2, J3) 3. Auxiliary Road Output Terminal (CON5)
- 4. Signal Connection Press the Terminal (CN7)
- 5. Green and Red Status Display LED Lights
- 6. Output Voltage Regulation Resistor
- 7. Fans

1.1 AC/DC Input Terminal Block (J1)

The input terminal J1, as a standard 3-pin fence welding terminal with upper cover, the center spacing of the pins is 10mm.



Pin	Features		
L Line (Phase)			
N	Neutral		
	Ground/Earth		

Wire Size: 12-22AWG Torque: 1.2N·m (max)

1.2 Main DC Output Terminal (J2, J3)

The output terminal uses two standard screw lock type metal terminals, the pin spacing between each is 18mm.



Pin	Features
+Vo	Main Output +
-Vo	Main Output -

Torque: 2.3N·m

1.3 Auxiliary DC Output Terminal (CON5)

The auxiliary output terminal with a standard terminal of 2.5mm pitch.



Pin	Function
-S	Auxiliary DC Output -
+S	Auxiliary DC Output +

1.4 Signal Port (CN7)



Features

Remote Compensation Positive Terminal



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Pin

1

Label

VS+



Model	Rated Output Voltage	Adjustable Range of Output Voltage
PSEW1500-125	12V	12-14.4V
PSEW1500-155	15V	15-18V
PSEW1500-245	24V	24-28.8V
PSEW1500-275	27V	27-32.4V
PSEW1500-365	36V	36-43.2V
PSEW1500-485	48V	48-56V
PSEW1500-545	54V	54-58V

2. Function Manual

2.1 Input Requirements

The AC input voltage and DC input voltage must be within the defined voltage range (refer to data sheet), otherwise the power supply may not work properly or could malfunction.

The internal L and N line of the power module have been connected in series with a 250V 25A fuse. For better protection, it is recommended that customers use a circuit breaker not greater than 25A. (Non-mandatory requirement).

2.2 Output Requirements

Main Output

At any voltage value, the maximum output current and power must not exceed the rated/specified value. The output current must not exceed the maximum output current value.

Auxiliary Output

The auxiliary circuit supports a maximum current of 2A.

2.3 Start-Up Timing





2.4 Fan Speed Control

The fan speed is determined by output power and output voltage at the same time. Refer to the following curve for fan speed change.



Vo: Rated Output Voltage

2.5 Output Over-Voltage Protection (OVP)

Main Output

The over-voltage protection function is too close the main output when the output voltage reaches the protection voltage value. When the main circuit over-voltage protection occurs, the main circuit output voltage of the module will be shut off, and the auxiliary circuit output will not be affected. The main circuit output can be restored after disconnecting the input power for at least 3 seconds.



In addition, it can be quickly restarted by the PS_ON signal:



Auxiliary Output

When the auxiliary circuit voltage reaches 6.3VDC (maximum value), the auxiliary output will be in hiccup status, and the main output turns off until the auxiliary output returns to normal after the fault is eliminated.

2.6 Output Constant-Current Protection (OCP)

$\textcircled{0} Main \ Circuit \ Overcurrent$

If in CC load mode, when the current exceeds the constant current point, the output enters hiccup mode; when the over current state is released, the output returns to normal.

If in CR/CV load mode, the relationship among output current, voltage and resistance is shown in the following curve:





When the product enters the constant current state, the output state circulates as shown in Fig. 1, working for 5S and protecting for 3.5S, until the constant current state is released.

In the above Fig. 2, the slope corresponding to section R1-R2 is the output current corresponding to constant current. Generally, $V_1 \approx 75\%V_0$ @Auxiliary Circuit Overcurrent

When the auxiliary output current exceeds 120% (typ.) of the rated current, turn off the main output. After the secondary route overflows, the main route automatically recovers output.

2.7 Output Short Circuit Protection (SCP)

When the output is short-circuited, the power output in hiccup with interval 3.5s. After the short circuit is removed, the power module will automatically return to normal, and the auxiliary output will not be affected.

When the auxiliary circuit output is short-circuited, the main circuit is without output.



2.8 Over Temperature Protection (OTP)

When the ambient temperature of the power supply exceeds the rated temperature for a period of time, the power supply will be turned off and the power supply will resume normal operation after the ambient temperature drops to the set value.

2.9 Output Power Derating

When the input voltage is greater than 100VAC (or 200VDC), only need to derate according to the temperature derating curve.

When the input voltage is lower than 100VAC (or 200VDC), the output power will be derated according to the following input voltage derating curve after temperature derating.



2.10 Remote Control





If the input terminal of the power module has been connected to a power source, the PS_ON signal pin can be used to control the on and off of the main output, and the PS_ON signal does not affect the output voltage of the auxiliary circuit. Note: the internal PS_ON input impedance of the module is 5.1K

2.11 DC_OK Signal

The DC_OK signal is used to monitor whether the power supply is working normally, and the signal is at Pin3 of the signal terminal CN7. Note: When the DC_OK signal is connected to the external circuit, the impedance of the external circuit (i.e. between Pin3 and Pin7 or Pin14 of CN2) is not less than $10k\Omega$.







Note:

- 1. VS+ and VS- cannot be shorted or reversed, otherwise the power module will be damaged.
- Before powering on the product, please confirm whether the control signal connection terminal (CN7) Pin6 (PS_ON) and Pin7 (GND) shortcircuit jumper cap are connected. If not, the product will be without output. When the control signal connection terminal (CN7) of the product are externally connected as a whole, please ensure that Pin6 and Pin7 (or Pin14) are short-circuit connected. Please refer to PSEW1500 Series Application Notes 2.10 Remote Control.
- 3. Pin 1 and Pin 8 of the signal terminal CN7 can compensate the voltage drop on the output cable.
- 4. The remote compensation circuit can compensate up to 200mV cable voltage drop. This voltage includes the sum of the cable drop connected to the output positive terminal and the output negative terminal.
- 5. If you need to use the remote compensation function, the signal pin needs to be connected with the load end with a twisted pair cable.

2.13 Parallel Operation

2.13.1 Redundancy

The power module output can be connected in parallel to achieve redundancy, thereby improving system reliability. The maximum power of the redundant system needs to be derated to ensure that the redundant system can still meet the rated load requirements when a power supply module fails. The current common practice is to construct a redundant system by the N+1 method, that is, N+1 power supplies are connected in parallel, to support the maximum load current N*Iomax, where Iomax is the rated output current of each power supply. For example, the rated output current of each power supply is 40A, and the 3+1 units are connected in parallel to construct a 3*40A=120A redundant system.

The power module supports 3+1 parallel redundant operation.

The ORing circuit is used inside the power module, and when any one of the power modules in the parallel fails, it will not affect the work of other power modules.

When used in parallel, the maximum load current cannot exceed the maximum output current of a single power supply module, otherwise the whole parallel power supply module will not start normally.

2.13.2 Current Sharing

Method 1: Current Sharing bus and remote compensation lines are both connected. For load line loss <200mV, and the output voltage difference of each single module <50mV, this type of connection is recommended to obtain a better line-end output voltage and current sharing effect.



Method 2: Only the current sharing bus is connected, and the remote compensation is not connected. For the load line loss ≥200mV, or the output voltage difference of each single module cannot or does not need to be accurately adjusted to ≤50mV, this



type of connection is recommended to obtain a better current sharing effect of the parallel machine. In the same way, when the load loss is unknown or the current sharing fails to meet the specifications under the first connection method, it is recommended to replace it with this connected method. The wiring method of the current sharing function is shown in the figure below.



Note:

- 1. When using in parallel, the number of parallel modules cannot exceed 4.
- Before powering on the product, please confirm whether the control signal connection terminal (CN7) Pin6 (PS_ON) and Pin7 (GND) shortcircuit jumper cap are connected. If not, the product without output. When the control signal connection terminal (CN7) of the product are externally connected as a whole, please ensure that Pin6 and Pin7 (or Pin14) are shot-circuit connected. Please refer to PSEW1500 Series Application Notes 2.10 Remote Control.

When power modules work in parallel, there is an internal active current sharing circuit to ensure that the current between each module is balanced.

The active current sharing circuit adopts the automatic master-slave current sharing method. Each power module has a current sharing bus signal (CURRENT SHARE BUS). When working in parallel, the current sharing bus of all power modules must be connected together. The current-sharing bus signal is located at pin 2 or CN7.

The output voltage of each power module will affect the current sharing accuracy. The output voltage of the power module is the rated voltage ±50mV. In practical applications, if the output voltage value needs to be adjusted, the output voltage of all parallel power supply modules needs to be adjusted to the same voltage. The recommended voltage range: target voltage value ±50mV.

After the output load of each power module is greater than 50% of the rated load, the current sharing accuracy should be ±5%. The current sharing calculation formula is:

Current sharing accuracy =
$$\frac{Iomax}{Iomax} * 100\%$$

lomax: The maximum output current value in parallel power supply modules lomin: The minimum output current value in parallel power supply modules

2.14 I2C Communication Address



In the parallel system, if you need to identify the power module information, you need to set the I2C communication address for each parallel power module, and exchange data with the host computer through I2C. The setting of the communication address is determined by pins 9, 10, and 11 of the signal terminal CN7. When these three pins are short-circuited with pin 7 or 14 of CN7, it will be low level (L, voltage range: 0~1.31V). When disconnected, it is high level (H, voltage range: 1.99V~3.3V). The specific address number is show in the table below:

ADDRESS 2	ADDRESS 1	ADDRESS 0	Address Number
L	L	L	0
L	L	Н	1
L	Н	L	2
L	Н	Н	3
Н	L	L	4
Н	L	Н	5
Н	Н	L	6
Н	Н	Н	7



The internal pull-up resistance value of the power module is $10k\Omega$, and the external impedance can be matched according to the actual application to meet the high and low voltage range.

3. Installation Requirements

3.1 Safety Introduction

Warning: Risk of electric shock During high voltage operating

- The power supply module is disconnected from the input DC or the AC power and placed for at least one minute before starting to operate it.
- When installing the input wire to the power module, please connect the ground terminal first, and then connect the L line and the N line.
- When removing the input wire, please remove the L wire and the N wire first, and then remove the ground wire.
- When disassembling, make sure that no objects fall into the power module
- Pay attention to high temperature
- After the power module is working in a high temperature environment, wait for its shell to cool down before operating.
- This product needs to be installed by professionals and needs to be used with other equipment.

3.2 Safety Requirements

When installing, pay attention to the primary side and the protective ground, the creep distance and the electrical clearance of the primary side and the secondary side refer to EN60601-1.

3.3 Installation Method

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Note: The fan panel cannot be blocked by other objects and a distance of at least 20mm must be maintained, otherwise it will affect the heat dissipation and performance of the power module.

4. Communication Protocol



SEW1500 series pow	er modules :	support standard	communication pro	otocols and ma	anage and monite	or the power modules through I2C bus
Command Code	Comm	and Name	Access Type	Data Bytes	Data Format	Description
0x9A	PMB_M	FR_MODEL	Block Read	32	ASCII	Product Model
0x8B	PMB R	EAD VOUT	Read Word	2	Direct	Main Circuit Output Voltage (10mV)
0x8C	PMB F	READ IOUT	Read Word	2	Direct	Main Output Current (10mV)
0x96	PMB R	EAD POUT	Read Word	2	Direct	Main Output Power (10mV)
0xC4	PMB MF	R AUX VOUT	Read Word	2	Direct	Auxiliary Output Voltage (10mV)
0xC5	PMB MF	R AUX IOUT	Read Word	2	Direct	Auxiliary Output Current (10mV)
0xC7	PMB MF	R FAULT BIT	Read Word	2	Bit Field	Fault Status Word
		Describe o	of Fault Status thro	ough PBM_MF	R_FAULT_BIT	
		Bit Segment		Descript	ion	
		BIT: 0	0: Fan 1 Norr 1: Fan 1 Faul	nal t		
		BIT: 1	0: Fan 2 Norr 1: Fan 2 Faul	nal t		
		BIT: 2	0: Auxiliary O 1: Auxiliary O	utput Normal utput Abnorma	al	
		BIT: 3	0: No Over-V 1: Over-Volta	oltage in Main ge in Main Circ	Circuit cuit	
		BIT: 4	0: No Under-' 1: Under-Volt	Voltage in Mair age in Main Ci	n Circuit rcuit	
		BIT: 5	0: No Level 1 1: Level 1 Ov	Over-Current	in Main Circuit	
		BIT: 6	0: No Level 2 1: Level 2 Ov	Over-Current	in Main Circuit	
		BIT: 7	0: No Level 1 1: Level 1 Ov	Over-Load in er-Load in Mai	Main Circuit n Circuit	
		BIT: 8	0: No Level 2 1: Level 2 Ov	Over-Load in er-Load in Mai	Main Circuit n Circuit	
		BIT: 9	0: No Level 3 1: Level 3 Ov	Over-Load in er-Load in Mai	Main Circuit n Circuit	
		BIT: 10	0: Normal Te 1: Over-Tem	mperature perature and O	ver-Load	
		BIT: 11	11 0: No Short Circuit in Main Circuit			
		BIT: 12	0: No Hardwa 1: Main Circu	are Over-Voltag	ge in Main Circui /er-Voltage Faul	t t
		BIT: 13	0: No Hardwa	are Under-Volta	age in Main Circu	uit
		BIT: 14	0: Pre-Charge	e Normal e Fault	ider voltage i de	
		BIT: 15	0: PFC Soft S 1: PFC Soft S	Start Normal Start Fault		

For more details, contact factory.

COMPANY INFORMATION -



Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

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