

Mean Well SP-240-15

Mean Well SP-240-15 240W Single Output Power Supply User Manual

Model: SP-240-15

1. INTRODUCTION

The Mean Well SP-240-15 is a high-performance 240W single output power supply designed for various industrial and commercial applications. It features a universal AC input, built-in active Power Factor Correction (PFC) function, and forced air cooling by an integrated DC fan, ensuring reliable and efficient operation. This manual provides essential information for the safe installation, operation, and maintenance of your SP-240-15 power supply.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installing or operating the unit. Failure to comply with these instructions may result in electric shock, fire, or damage to the product.

- **Disconnect Power:** Always ensure the AC input power is disconnected before performing any installation, wiring, or maintenance procedures.
- **Proper Grounding:** The unit must be properly grounded to prevent electric shock. Connect the FG (Frame Ground) terminal to earth ground.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified and authorized personnel.
- **Ventilation:** Ensure adequate ventilation around the power supply. Do not block the fan or ventilation openings. Operating temperature range is -20°C to $+70^{\circ}\text{C}$ (refer to derating curve).
- **Environmental Conditions:** Do not operate the unit in environments with excessive moisture, dust, or corrosive gases.
- **Output Load:** Do not exceed the rated output power or current. Overloading may cause damage or reduce the lifespan of the unit.
- **Internal Components:** Do not open the power supply casing. There are no user-serviceable parts inside.

3. PRODUCT OVERVIEW

The Mean Well SP-240-15 power supply is designed for robust performance, featuring a durable metal enclosure and efficient cooling.



Figure 3.1: Mean Well SP-240-15 Power Supply. This image shows the top and side view of the power supply, highlighting the ventilation grille for the internal DC fan and the terminal block for input and output connections. The model number 'SP-240-15' and electrical ratings are visible on the label.

Key Features:

- Universal AC input / Full range (88 ~ 264VAC)
- Built-in active PFC function (PF>0.95 at 230VAC)
- Forced air cooling by built-in DC fan
- Protections: Short circuit, Overload, Over voltage, Over temperature
- 100% full load burn-in test for reliability

4. SETUP AND INSTALLATION

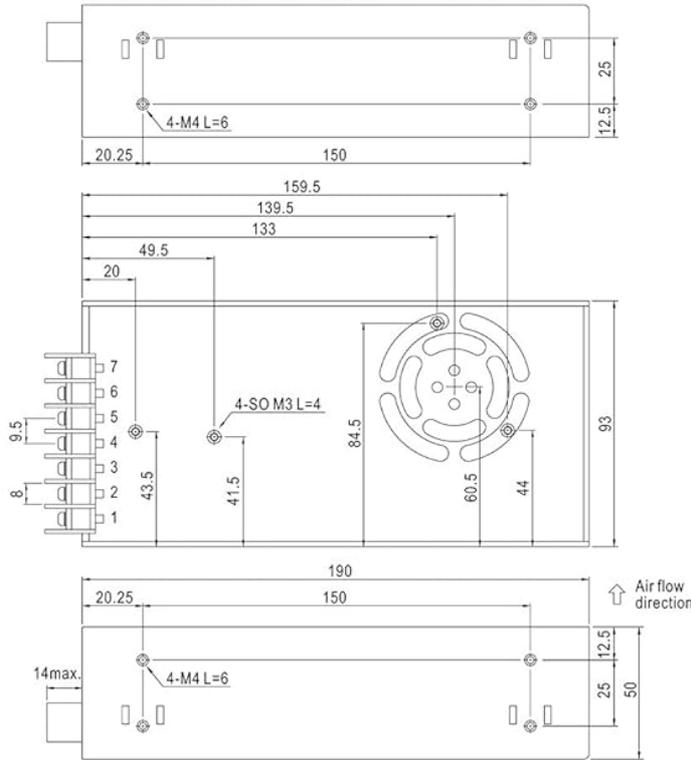
Proper installation is crucial for the safe and reliable operation of the SP-240-15 power supply.

4.1 Mechanical Installation

The unit should be mounted in a location that allows for adequate airflow around the fan and ventilation openings. Refer to the mechanical drawing for dimensions and mounting hole locations.

■ Mechanical Specification

Case No.987A Unit:mm

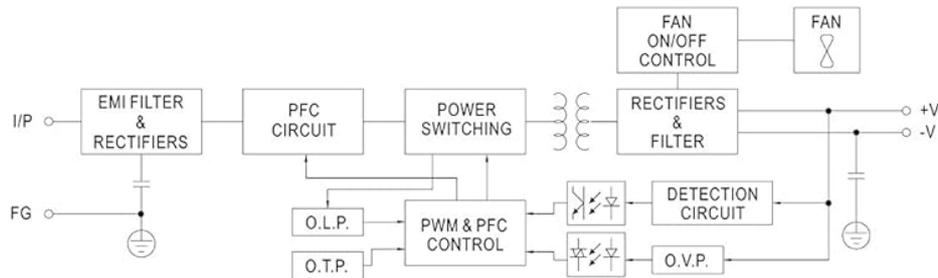


Terminal Pin No. Assignment

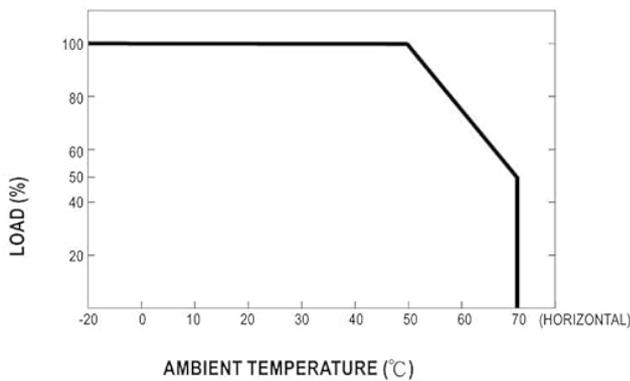
Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG \perp		

■ Block Diagram

fosc : 90KHz



■ Derating Curve



■ Static Characteristics

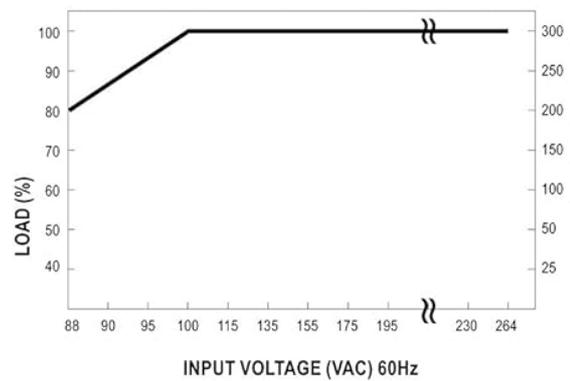


Figure 4.1: Mechanical Drawing and Block Diagram. This image provides detailed dimensions for mounting the power supply and illustrates the internal block diagram, including EMI filter, PFC circuit, power switching, rectifiers, and protection circuits.

Dimensions: 199mm (L) x 99mm (W) x 50mm (H) (7.83 x 3.9 x 1.97 inches).

4.2 Wiring Connections

Connect the input and output wires to the terminal block as indicated on the unit's label and in the diagram below. Ensure all connections are secure and correct polarity is observed.

- **AC Input:** Connect the Live (L), Neutral (N), and Frame Ground (FG) wires to the corresponding terminals. The unit accepts universal AC input from 88 to 264VAC.
- **DC Output:** Connect the positive (+V) and negative (-V) load wires to the DC OUTPUT terminals.
- **Voltage Adjustment:** The output voltage can be adjusted using the '+V ADJ' potentiometer located near the output terminals. Use a small screwdriver for fine-tuning within the specified range (13.5V to 18V).

Terminal Pin Assignment:

Pin 1: AC/L

Pin 2: AC/N

Pin 3: FG (Frame Ground)

Pin 4: DC OUTPUT -V

Pin 5: DC OUTPUT -V

Pin 6: DC OUTPUT +V

Pin 7: DC OUTPUT +V

5. OPERATING INSTRUCTIONS

Once properly installed and wired, the SP-240-15 power supply is ready for operation.

- **Power On:** Apply AC input voltage to the unit. The internal fan will start operating, and the output voltage will be present at the DC output terminals.
- **Output Voltage Check:** Verify the output voltage using a multimeter. Adjust the '+V ADJ' potentiometer if necessary to achieve the desired voltage within the 13.5V to 18V range.
- **Load Connection:** Connect your load to the DC output terminals. Ensure the load current does not exceed the rated 16A.
- **PFC Function:** The built-in active PFC function ensures high power factor and reduced harmonic distortion, optimizing energy efficiency.

6. MAINTENANCE

The Mean Well SP-240-15 is designed for long-term reliability with minimal maintenance. However, periodic checks can help ensure optimal performance.

- **Cleaning:** Periodically inspect the unit for dust accumulation, especially on the fan and ventilation openings. Clean with a soft brush or compressed air to maintain proper cooling. Ensure power is disconnected before cleaning.
- **Connection Check:** Regularly check all input and output wiring connections to ensure they are secure and free from corrosion.
- **Environmental Inspection:** Verify that the operating environment remains within the specified temperature and humidity ranges.

7. TROUBLESHOOTING

If the power supply is not functioning as expected, refer to the following troubleshooting guide:

- **No Output Voltage:**

- Check if AC input power is present and connected correctly.
- Verify input fuse (if external) is intact.
- Ensure the unit is not in protection mode (e.g., due to overload or over-temperature). Disconnect power, wait a few minutes, and reapply.

- **Output Voltage Too Low/High:**

- Check the '+V ADJ' potentiometer setting.
- Ensure the load is not drawing excessive current, causing voltage drop.

- **Unit Shuts Down:**

- **Overload Protection:** If the load current exceeds 105-135% of the rated output power, the unit will enter hiccup mode and recover automatically once the fault condition is removed. Reduce the load.
- **Over Voltage Protection:** If the output voltage exceeds 17.25-20.25V, the unit will shut down. Re-power the unit to recover.
- **Over Temperature Protection:** If the internal temperature exceeds $80^{\circ}\text{C} \pm 5^{\circ}\text{C}$, the unit will shut down. It will recover automatically once the temperature drops. Ensure proper ventilation.

- **Fan Not Operating:**

- The fan operates based on temperature. It may not run at low loads or cool ambient temperatures.
- If the unit is hot and the fan is not running, check for obstructions or fan failure.

If problems persist after following these steps, contact qualified service personnel.

8. SPECIFICATIONS

Detailed technical specifications for the Mean Well SP-240-15 power supply.



■ Features :

- Universal AC input / Full range
- Built-in active PFC function, PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC Fan
- Built-in fan ON / OFF control
- LED indicator for power on
- Fixed switching frequency at 90KHz
- 3 years warranty



SPECIFICATION

MODEL	SP-240-5	SP-240-7.5	SP-240-12	SP-240-15	SP-240-24	SP-240-30	SP-240-48	
OUTPUT	DC VOLTAGE	5V	7.5V	12V	15V	24V	30V	48V
	RATED CURRENT	45A	32A	20A	16A	10A	8A	5A
	CURRENT RANGE	0 ~ 45A	0 ~ 32A	0 ~ 20A	0 ~ 16A	0 ~ 10A	0 ~ 8A	0 ~ 5A
	RATED POWER	225W	240W	240W	240W	240W	240W	240W
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE ADJ. RANGE	4 ~ 6V	6 ~ 9V	10 ~ 14V	12 ~ 18V	20 ~ 28V	27 ~ 33V	41 ~ 56V
	VOLTAGE TOLERANCE Note.3	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±0.5%	±0.5%	±0.3%	±0.3%	±0.2%	±0.2%	±0.2%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	SETUP, RISE TIME	800ms, 50ms/230VAC 150ms, 50ms/115VAC at full load						
HOLD UP TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load							
INPUT	VOLTAGE RANGE Note.5	88 ~ 264VAC 124 ~ 370VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.95/230VAC PF>0.98/115VAC at full load						
	EFFICIENCY (Typ.)	79%	83%	86%	86%	87%	88%	89%
	AC CURRENT (Typ.)	3.6A/115VAC		1.8A/230VAC				
	INRUSH CURRENT (Typ.)	25A/115VAC		40A/230VAC				
LEAKAGE CURRENT	<2mA / 240VAC							
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	6.3 ~ 7.5V	9.4 ~ 10.9V	14.7 ~ 17.5V	19 ~ 22.5V	29.5 ~ 35V	34.7 ~ 41V	57.6 ~ 67.2V
	OVER TEMPERATURE	90°C ±5°C (5V,7.5V), 85°C ±5°C (12V,15V,24V,30V,48V) (TSW1 : detect on heatsink of power transistor) Protection type : Shut down o/p voltage, recovers automatically after temperature goes down						
FUNCTION	FAN CONTROL	RTH2 ≥ 40°C FAN ON, ≤ 35°C FAN OFF(Typ.)						
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +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	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 / 25°C / 70% RH						
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3						
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A						
	MTBF	284K hrs min. MIL-HDBK-217F (25°C)						
	DIMENSION	190*93*50mm (L*W*H)						
	PACKING	0.8Kg; 18pcs/15.4Kg/1.04CUFT						
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)</p> <p>5. Derating may be needed under low input voltages. Please check the derating curve for more details.</p>							

File Name:SP-240-SPEC 2011-08-23

Figure 8.1: Mean Well SP-240-15 Detailed Specifications Sheet. This document provides comprehensive electrical, environmental, and safety specifications for the SP-240 series, including the SP-240-15 model.

Category	Parameter	SP-240-15
----------	-----------	-----------

Category	Parameter	SP-240-15
OUTPUT	DC VOLTAGE	15V
	RATED CURRENT	16A
	CURRENT RANGE	0 ~ 16A
	RATED POWER	240W
	RIPPLE & NOISE (max.)	150mVp-p
	VOLTAGE ADJ. RANGE	13.5 ~ 18V
	VOLTAGE TOLERANCE	±1.0%
	LINE REGULATION	±0.5%
	LOAD REGULATION	±1.0%
	SETUP, RISE TIME	600ms, 50ms/230VAC; 1500ms, 50ms/115VAC at full load
	HOLD UP TIME (Typ.)	20ms/230VAC; 20ms/115VAC at full load
INPUT	VOLTAGE RANGE	88 ~ 264VAC; 124 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF>0.95/230VAC; PF>0.98/115VAC at full load
	EFFICIENCY (Typ.)	86%
	AC CURRENT (Typ.)	3.6A/115VAC; 1.8A/230VAC
	INRUSH CURRENT (Typ.)	25A/115VAC; 40A/230VAC
	LEAKAGE CURRENT	<3.5mA/240VAC
PROTECTION	OVERLOAD	105 ~ 135% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed.
	OVER VOLTAGE	17.25 ~ 20.25V. Protection type: Shut down o/p voltage, re-power on to recover.
	OVER TEMPERATURE	80°C ±5°C (TSW1). Protection type: Shut down o/p voltage, recovers automatically after temperature goes down.
	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")
	WORKING HUMIDITY	20 ~ 90% RH non-condensing

Category	Parameter	SP-240-15
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +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	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 / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2, -3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
OTHERS	MTBF	284.9K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	199*99*50mm (L*W*H)
	PACKING	0.8Kg; 16pcs/13.8Kg/0.04CUFT

9. WARRANTY AND SUPPORT

The Mean Well SP-240-15 power supply comes with a **3-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For technical support, warranty claims, or service inquiries, please contact your authorized Mean Well distributor or reseller. Please have your product model number and purchase information available when contacting support.

© 2023 Mean Well. All rights reserved.

Related Documents - SP-240-15

	<p>MEAN WELL NPB-240 Series 240W Charger: Technical Specifications and Features</p> <p>Comprehensive technical specifications, features, applications, and operational details for the MEAN WELL NPB-240 series 240W compact battery charger. Designed for lead-acid and li-ion batteries with universal AC input and wide output range.</p>
---	--

	<p>MEAN WELL XTR-240 Series: 240W AC/DC 3-Phase Input DIN Rail Power Supply</p> <p>Detailed specifications and features of the MEAN WELL XTR-240 series, a 240W AC/DC 3-phase input ultra-slim industrial DIN rail power supply. Includes information on applications, safety, EMC, mechanical specifications, and installation.</p>
	<p>MEAN WELL NDR-240 Series 240W Single Output Industrial DIN Rail Power Supply Datasheet</p> <p>Comprehensive technical specifications, features, applications, block diagram, derating curves, and mechanical details for the MEAN WELL NDR-240 series of 240W single-output industrial DIN rail power supplies. Suitable for industrial control systems, factory automation, and electro-mechanical applications.</p>
	<p>MEAN WELL NDR-240 Series 240W Single Output Industrial DIN Rail Power Supply</p> <p>Detailed specifications, features, applications, and mechanical data for the MEAN WELL NDR-240 series of 240W single output industrial DIN rail power supplies. Includes information on protections, efficiency, input/output specifications, environmental conditions, and safety standards.</p>
	<p>MEAN WELL HVG-240 Series: 240W Constant Voltage + Constant Current LED Driver</p> <p>Datasheet for the MEAN WELL HVG-240 series, a 240W LED power supply offering dual mode constant voltage and constant current output. Features wide input range, IP67/IP65 rating, and various dimming options for diverse lighting applications.</p>
	<p>MEAN WELL HBG-240 Series 240W Constant Voltage + Constant Current LED Driver Datasheet</p> <p>Comprehensive technical datasheet for the MEAN WELL HBG-240 series 240W LED driver. Details include specifications, features, dimming options (3-in-1, DALI), performance graphs, mechanical dimensions, and installation guidance for indoor and outdoor applications.</p>

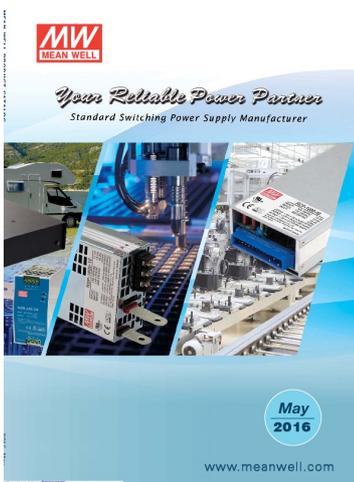


[\[pdf\]](#) Datasheet

untitled Mean Well IRM 20 12 datasheet octopart 83579035

2017 May www.meanwell.com INDEX PFC AdAadptaoptor AC/DC Enclosed RS-15 / 25 / 35 / 50 / 75 / 1 ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:de score:11 filesize: 6.73 M page_count: 112 document date: 2017-06-13



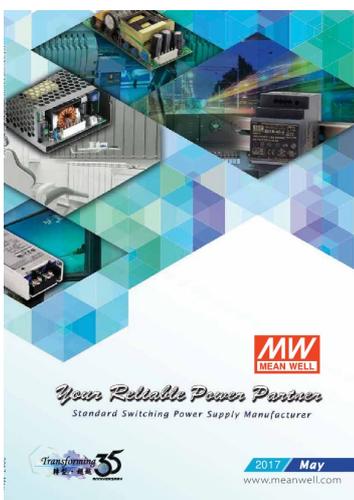
[\[pdf\]](#) Warranty

MEAN WELL Steckverbinderzubehör Arrow de z40 static6 arrow aro conversion

709a60a6dbebb8ef66472bde6aceaa36b8f9cb15 |||

Downloaded from Arrow.com. May 2016 w w w . m e a n w e l l . c o m New Products Overview RSP-160 ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:en score:11 filesize: 9.97 M page_count: 118 document date: 2022-03-22

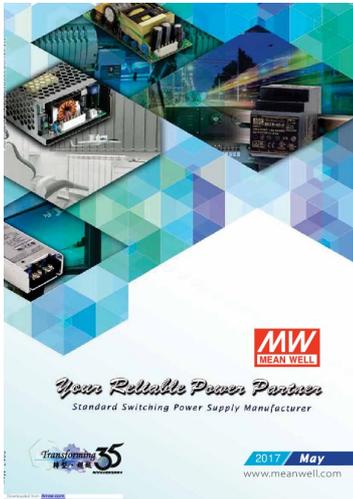


[\[pdf\]](#) Datasheet

untitled Datasheet Mean Well DRP 04 Power Products IBS Electronics datasheet octopart 154740555 |||

2017 May www.meanwell.com INDEX PFC AdAadptaoptor AC/DC Enclosed RS-15 / 25 / 35 / 50 / 75 / 1 ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:de score:11 filesize: 6.53 M page_count: 112 document date: 2017-08-17



[pdf]

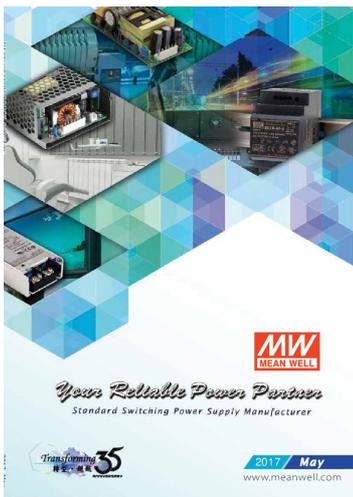
MPM 30 15 MEAN WELL RADIOMAG GmbH mpm static6 arrow aro conversion

2374b226728e0e69988a1b4b67fb2ca77e3f504f |||

Downloaded from Arrow.com. 2017 May www.meanwell.com INDEX PFC

AdAadptaoprtr AC/DC Enclosed R ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:de score:11 filesize: 7.53 M page_count: 112 document date: 2021-12-13



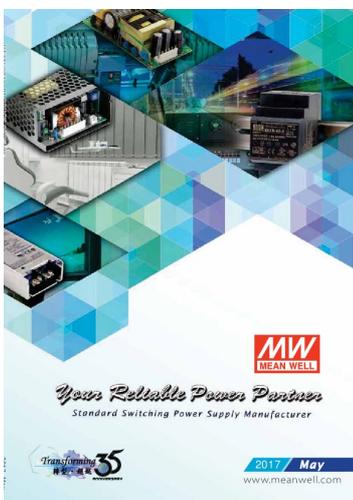
[pdf] Catalog

DRP 04 MEAN WELL PKC Компоненти РАДІОМАГ 2526417983507941catalog industrial static6 arrow aro conversion 87bf0be4e134ceac96c29de3c1119e361207123b |||

Downloaded from Arrow.com. 2017 May www.meanwell.com INDEX PFC

AdAadptaoprtr AC/DC Enclosed R ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:de score:10 filesize: 7.52 M page_count: 112 document date: 2022-03-22

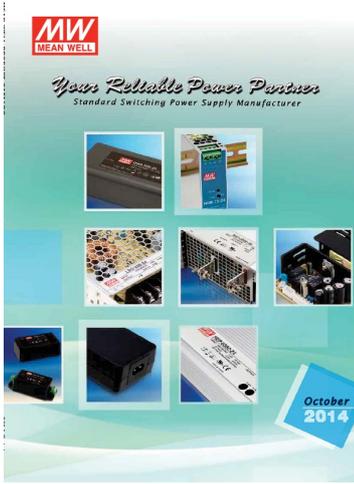


[pdf] Datasheet

Datasheet Mean Well UHP 500 36 Power Supply Modules IBS Electronics datasheet octopart 154740759 |||

2017 May www.meanwell.com INDEX PFC AdAadptaoprtr AC/DC Enclosed RS-15 / 25 / 35 / 50 / 75 / 1 ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:de score:10 filesize: 6.59 M page_count: 112 document date: 2018-06-10



[pdf] Datasheet Warranty Catalog

catalog s nicole MSP 200 24 Mean Well Off Board Modules Distributors Price Comparison and Datasheets Octopart component search datasheet octopart 38165166 |||

October New Products Overview LRS-200/350 : FRQRPLFDO/RZ3UROH7 SH 90-132VAC/180-264VAC selectabl ... 12 SP-200-13.5 SP-200-15 SP-200-24 SP-200-27 SP-200-48 240W Model No. SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 Output 3.3V, 0-30.0A 5V, 0-30.0A 7.5V, 0-20.0A 12V, 0-12.5A...

lang:en score:9 filesize: 7.51 M page_count: 100 document date: 2015-01-13

MEAN WELL 240W Single Output with PFC Function **SP-240 series**

Features:

- Universal AC Input / Full range
- Built-in surge protection (SP-240-5)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Power factor correction by active PFC
- Build-in OVP / OCP / OTP
- LED indicator for power on
- Full load regulation frequency at 90KHz
- 3 years warranty

SPECIFICATION	SP-240-5	SP-240-7.5	SP-240-12	SP-240-15	SP-240-24	SP-240-30	SP-240-48
DC VOLTS	5.0	7.5	12.0	15.0	24.0	30.0	48.0
DC CURRENT	3.0A	2.0A	1.5A	1.0A	1.0A	1.0A	1.0A
DC POWER	15W	15W	18W	15W	24W	30W	48W
EFFICIENCY	88%	88%	88%	88%	88%	88%	88%
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
RISE TIME	100µs						
RECOVERY TIME	100µs						
TEMPERATURE RANGE	0°C to 50°C						
ENVIRONMENTAL HUMIDITY	10% to 90%						
AC INPUT VOLTAGE	100V-240V						
AC INPUT CURRENT	0.25A						
POWER FACTOR	0.95	0.95	0.95	0.95	0.95	0.95	0.95
OVERLOAD PROTECTION	100% (100µs)						
SHORT CIRCUIT PROTECTION	100% (100µs)						
OVER VOLTAGE PROTECTION	100% (100µs)						
OVER CURRENT PROTECTION	100% (100µs)						
OVER TEMPERATURE PROTECTION	100% (100µs)						
EMC CLASSIFICATION	Class B						
CONFORMS TO	CE, RoHS, REACH						

[pdf] Specifications

1 Shirley Cheng SP 240WMEANWELL Series With PFC Delight Singapore DELIGHT OptoElectronics Pte LtdSP 240 SPECcdn shopify s files 2241 3179 SPEC v 1641288892 Specification 24SP 240WSP 24 MEAN WELL POWER SUPPLY ADVICE CO ILMEANWELL SPECSP 0329 1008 2181 1587447906cdn |||

240W Single Output with PFC Function SP-240 series SPECIFICATION Bauar t gepruft Sicherheit egelma ge od o s be wac g www. tuv.com ID 2000000000 MODEL SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 DC VOLTAGE 5V 7.5V 12V 15V 24V 30V 48V RATED CURR...

lang:en score:9 filesize: 677.68 K page_count: 2 document date: 2019-07-02

MEAN WELL 240W Single Output with PFC Function **SP-240 series**

Features:

- Universal AC Input / Full range
- Built-in surge protection (SP-240-5)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Power factor correction by active PFC
- Build-in OVP / OCP / OTP
- LED indicator for power on
- Full load regulation frequency at 90KHz
- 3 years warranty

SPECIFICATION	SP-240-5	SP-240-7.5	SP-240-12	SP-240-15	SP-240-24	SP-240-30	SP-240-48
DC VOLTS	5.0	7.5	12.0	15.0	24.0	30.0	48.0
DC CURRENT	3.0A	2.0A	1.5A	1.0A	1.0A	1.0A	1.0A
DC POWER	15W	15W	18W	15W	24W	30W	48W
EFFICIENCY	88%	88%	88%	88%	88%	88%	88%
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
RISE TIME	100µs						
RECOVERY TIME	100µs						
TEMPERATURE RANGE	0°C to 50°C						
ENVIRONMENTAL HUMIDITY	10% to 90%						
AC INPUT VOLTAGE	100V-240V						
AC INPUT CURRENT	0.25A						
POWER FACTOR	0.95	0.95	0.95	0.95	0.95	0.95	0.95
OVERLOAD PROTECTION	100% (100µs)						
SHORT CIRCUIT PROTECTION	100% (100µs)						
OVER VOLTAGE PROTECTION	100% (100µs)						
OVER CURRENT PROTECTION	100% (100µs)						
OVER TEMPERATURE PROTECTION	100% (100µs)						
EMC CLASSIFICATION	Class B						
CONFORMS TO	CE, RoHS, REACH						

[pdf] Specifications Datasheet Warranty

SP 240 cdr sandy Data Sheet current 12 MEAN WELL AC to DC Power Supply Single Output Volt 20 Amp Watt Supplies Wall Adapters 2101497 jameco Jameco Products ProdDS |||

240W Single Output with PFC Function Jameco SKU Number: 2101497 SP-240 series Features : Universal ... itching frequency at 90KHz 3 years warranty SPECIFICATION MODEL SP-240-5 SP-240-7.5 SP-240-12 **SP-240-15** SP-240-24 SP-240-30 SP-240-48 DC VOLTAGE 5V 7.5V 12V 15V 24V 30V 48V RATED CUR...

lang:en score:9 filesize: 477.77 K page_count: 8 document date: 2009-11-20

