

Measures: 3.00 x 2.00 x 0.95'







CB (F

■ Features

- · 3"×2" miniature size
- · Universal AC input / Full range
- No load power consumption<0.1W
- · High efficiency up to 91%
- · For 1U applications
- · Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- -30~70°C wide range of operating temperature
- Operating altitude up to 5000 meters(Note 6.)
- · LED indicator for power on
- · 3 years warranty

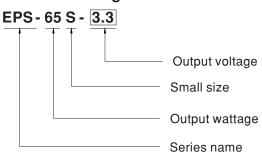
Applications

- Industrial electrical equipment
- Mechanical equipment
- Factory automation equipment
- · Handheld electronic device

Description

EPS-65S is a 65W highly reliable green PCB type industrial power supply with a high power density on the 3" by 2" footprint. It accepts 80~264VAC input and offers various output voltages between 3.3V and 48V. The working efficiency is up to 91% and the extremely low no load power consumption is down below 0.1W. EPS-65S is able to be used for Class II (no FG) system design.

Model Encoding







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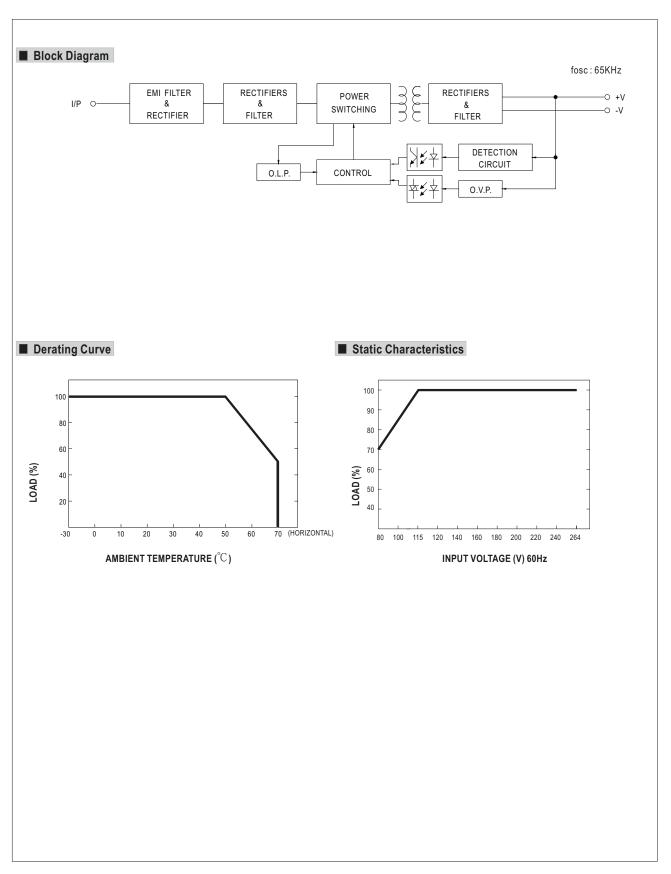
SPECIFICATION

ORDER NO		EPS-65S-3.3	EPS-65S-5	EPS-65S-7.5	EPS-65S-12	EPS-65S-15	EPS-65S-24	EPS-65S-48	
	DC VOLTAGE	3.3V	5V	7.5V	12V	15V	24V	48V	
	RATED CURRENT	10A	10A	8A	5.42A	4.34A	2.71A	1.36A	
	CURRENT RANGE	0 ~ 11A	0 ~ 11A	0 ~ 8.8A	0 ~ 5.96A	0 ~ 4.77A	0 ~ 2.98A	0 ~ 1.49A	
	RATED POWER	33W	50W	60W	65W	65.1W	65W	65.3W	
OUTPUT		36.3W	55W	66W	71.5W	71.6W	71.5W	71.5W	
	RIPPLE & NOISE (max.) Note.3		80mVp-p	80mVp-p	120mVp-p	150mVp-p	240mVp-p	300mVp-p	
	VOLTAGE ADJ.RANGE	2.9~3.6V	4.7~5.5V	7.12~8.3V	11.4~13.2V	13.5~16.5V	22.8~27.6V	45.6~52.8V	
	VOLTAGE TOLERANCE Note.4		±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	
	LOAD REGULATION	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%	
	SETUP, RISE TIME	500ms, 30ms / 23				1.070	1.070		
	HOLD UP TIME (Typ.)	500ms, 30ms / 230VAC 500ms, 30ms / 115VAC at full load 30ms / 230VAC 12ms / 115VAC at full load							
		80 ~ 264VAC							
	FREQUENCY RANGE	00 ~ 204 VAC 47 ~ 63Hz							
INPUT	.,	80%	84%	85%	88%	89%	90%	91%	
INFOI	EFFICIENCY (Typ.) AC CURRENT (Typ.)	1.5A / 115VAC	1A / 230VAC	00%	00 70	09%	90%	91%	
	INRUSH CURRENT (Typ.)			10) /4 0					
			A/115VAC 50A/23	BUVAC					
	LEAKAGE CURRENT(max.)	0.25mA/264VAC							
	OVERLOAD	115 ~ 150% rated			- fo - f - 10 PC				
DDATEATION				overs automatically			07.0.00.07	55.0.04.01/	
PROTECTION	OVER VOLTAGE	3.8~4.46V	5.75~6.75V	8.62~11.3V	13.8~16.2V	17.25~20.25V	27.6~32.4V	55.2~64.8V	
		Protection type: Shut down o/p voltage, re-power on to recover							
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03% /°C (0							
	VIBRATION			od for 60min. each a	long X, Y, Z axes				
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved							
SAFETY &	ISOLATION LEVEL	Primary-Secondary: 2xMOPP							
EMC	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC							
(Note. 6)	ISOLATION RESISTANCE	I/P-O/P: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, Heavy industry Level criteria A							
	MTBF	959.1Khrs min. MIL-HDBK-217(25°C)							
OTHERS	DIMENSION	76.2*50.8*24mm or 3" * 2" *0.945" inch (L*W*H)							
	PACKING	0.11Kg; 120pcs/1	4.2Kg/0.97CUFT						
NOTE	All parameters NOT special 33% Duty cycle maximum w Ripple & noise are measure Tolerance: includes set up t Derating may be needed un The ambient temperature derati The power supply is conside still meets EMC directives. F (as available on http://www.r	within every 30 sec d at 20MHz of bar colerance, line regu der low input volta ing of 5°C/1000m is ered a component for guidance on he	conds. Average out indwidth by using a ulation and load re- ages. Please check needed for operating which will be insta	tput power should r 12" twisted pair-wi gulation. the derating curve attitude greater than alled into a final equ	not exceed the rate re terminated with for more details. 2000m (6500ft). ipment. The final 6	ed power. a 0.1uf & 47uf par equipment must be	e re-confirmed that	it	

Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliab



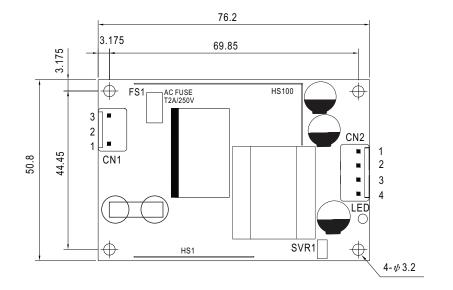
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■ Mechanical Specification

Case No. Unit:mm





AC Input Connector (CN1): JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1	AC/N	IOTAUD	10T 0\/11 04T D4 4	
2	No Pin	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent	
3	AC/L	or oquiraioni		

DC Output Connector (CN2): JST B2P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal	
1	+V			
2	+V	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent	
3	-V			
4	-V			

■ Installation Manual

Please refer to: http://www.meanwell.com/webnet/search/InstallationSearch.html