DPS1-240W Power Supplies

CE RoHS



Features

- DC Output Voltage Adjustable
- Universal AC Input 90~264V
- Protection: Short Circuit/Overload/Over Voltage/Over Temperature
- Free Air Convection Design
- Three Years Warranty

Specification

Product name	DPS1-240W-D24-02A(H)	DPS1-240W-D48-02A(H)
Input Parameter		
Input voltage range	90 ~264VAC,127 ~ 370VDC[DC input by connecting AC/L(+),AC/N(-)]	
Input frequency range	47...63Hz	
Input current	2.5A/115VAC 1.3A/230VAC	
Impulse current	35A/230VAC	
Power consumption	5W	
Connection mode	Terminal blocks	
Output Parameter		
Output efficiency	87%	88%
Output rated voltage	24V	48V
Range of output voltage	24~28V	48~55V
Output rated current	10A	5A
Rated power	240W	
Voltage ripple (20MHz)	150 mVp-p	
Setup , Rise time	1500ms, 100ms/230VAC at full load 3000ms, 100ms/115VAC at full load	
Line regulation	±0.5%	
Load regulation	±1.0%	
Leakage current	<1mA/240VAC	
Coefficient of temperature drift	±0.03%/℃(0~50℃)	
Power-down hold time	16ms/230VAC at fullload 12ms/115VAC at full load	
Switching frequency	50Khz~80Khz	
Connection mode	Terminal blocks	

DEGSON
Standard Single Phase Power Supplies

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Product name	DPS1-240W-D24-02A(H)	DPS1-240W-D48-02A(H)
Mechanical Parameter		
Size (L X W X D)	125×63×113.5mm	
Weight	1kg	
Shell material	Metal	
DC light	OK	
Environmental Parameter		
Working temperature	-20 ~ +70 ℃ (Refer to "Derating Curve")	
Storage temperature	-40°C ~ + 85°C	
Storage humidity	10...95%RH non-condensing	
Working humidity	20 ~ 95% RH non-condensing	
Vibration test	IEC 60068-2-6(X, Y, Z axis, 2G)	
Operational altitude	2000m	
Security Parameter		
Overcurrent protection range	105 ~ 130% rated output power Protection type : Constant current limiting, recovers automatically	
Overvoltage protection	29~33V	56~65V
	Protection type : Constant current limiting, recovers automatically after fault condition is removed	
Overheat protection	Protection type : Shut down o/p voltage, re-power on to recover	
Short circuit protection	10-13A Hiccup Protection	
Safety standard	UL508,BS/EN62368-1	
Mean Time between failures	1398.4K hrs min. Telordia SR-332 (Bellcore)	

Dimensional Drawing

