DPS1-120 W 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	DPS1-120W-D12-02A(H)	DPS1-120W-D24-02A(H)	DPS1-120W-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	2.25A/115VAC 1.3A/230VAC		
Impulse current	35A/230VAC		
Power consumption	0.6W		
Connection mode	Terminal blocks		
Output Parameter			
Output efficiency	85.5%	88%	89%
Output rated voltage	12V	24V	48V
Range of output voltage	12~14V	24~28V	48~55V
Output rated current	10A	5A	2.5A
Rated power	120W		
Voltage ripple (20MHz)	100 mVp-p	120 mVp-p	150 mVp-p
Setup , Rise time	1200ms, 60ms/230VAC at full load 2500ms, 60ms/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 10ms/115VAC at full load		
Switching frequency	50Khz~80Khz		
Connection mode	Terminal blocks		

DEGSON
Standard Single Phase Power Supplies

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Product name	DPS1-120W-D12-02A(H)	DPS1-120W-D24-02A(H)	DPS1-120W-D48-02A(H)
Mechanical Parameter			
Size (L X W X D)	125×40×113mm		
Weight	0.6kg		
Shell material	Metal		
DC light	OK		
Environmental Parameter			
Working temperature	-20 ~ +70 ℃ (Refer to "Derating Curve")		
Storage temperature	-40~+85 ℃, 10 ~95% RH		
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	14~17V	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	3.2A shutdown, restart and restore		
Safety standard	UL508,BS/EN62368-1		
Mean Time between failures	2241.28K hrs min. Telcordia SR-332 (Bellcore)		

Dimensional Drawing

