






**PSU048-0480S1X2AAD1A** PSU 48VDC/10A 480W 90-264VAC



### General information

<b>Description</b>	PSU 48VDC/10A 480W 90-264VAC , Output: 48 VDC, 480 W, Switchmode, 1 phase AC, Input: 230 V, 85-264 VAC, DIN rail, Lowcost high performance		
<b>Voltage Output</b>	48	<b>Output Current</b>	10
<b>PSU power out [W]</b>	480	<b>PSU Efficiency [%]</b>	92.5
<b>Input Voltage</b>	90-264VAC		
<b>CE Marked</b>	Yes		
			
<b>Approval - ROHS-3</b>	Yes		
			
<b>Approval UL</b>	Yes		
			
<b>Weight net [kg]</b>	1.50	<b>Manufacture</b>	JVL
<b>Country Of Origin</b>		<b>Tariff no</b>	
<b>Tariff no US</b>			



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## Mechanical information

<b>Width [mm]</b>	85.5	<b>Depth</b>	128.5
<b>Height [mm]</b>	125.2		
<b>Protection house</b>	IP20		
<b>Box Size units</b>	mm	<b>Box size</b>	17.5x12x15.5 cm



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**Electrical information**

<b>Input Voltage</b>	90-264VAC	<b>Input voltage Min-Max</b>	90-264VAC
<b>Input AC Current</b>	4.8A/115VAC, 2.4A/230VAC	<b>Inrush Current</b>	20A/115VAC 35A/230VAC
<b>Input Voltage Frequency</b>	47-63Hz		
<b>Voltage Output</b>	48	<b>Output Voltage Adj. Range</b>	48-55
<b>Output Voltage Tolerance</b>	+/-1.0%	<b>PSU Output Ripple</b>	
<b>PSU power out [W]</b>	480	<b>No Load Power [W]</b>	
<b>Output Setup Time</b>	1500ms	<b>Output Rise Time</b>	100ms/230VAC 3000ms, 100ms/115VAC at full load
<b>Output Load Regulation</b>	+/-1.0%	<b>Output Line Regulation</b>	+/-0.5%
<b>Output Hold Up Time</b>	16ms/230VAC 16ms/115VAC at full load		
<b>PSU max current [A]</b>	10	<b>Output Current Range</b>	0-10
<b>Overvoltage Protection</b>	56-65	<b>Overload Protection</b>	105 ~ 130% rated output power
<b>PSU Efficiency [%]</b>	92.5		
<b>Protection Overload</b>	105 ~ 130% rated output power	<b>Protection Overload Type</b>	Constant current limiting, unit will shut down after 3 sec., re-power on to recover
<b>Protection Overvoltage</b>	56-65	<b>Protection Overvoltage Type</b>	Shut down o/p voltage, repower on to recover
<b>Protection Overtemperature</b>	Shut down o/p voltage, recovers automatically after temperature goes down		
<b>Humidity working</b>	20-95% None-Condensing	<b>Humidity Storage</b>	10 ~ 95% RH non-condensing
<b>Temperature ambient [°C]</b>	-20 - +70□ Refer to "Derating Curve"	<b>Temperature storage</b>	-40 - +85□, 10 - 95% RH
<b>Vibration</b>	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
<b>Safety Standards</b>	UL508, TUV EN62368-1, EAC TP TC 004 BSMI CNS14336-1 approved , ;meet EN60204-1		
<b>Withstand Voltage</b>	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
<b>EMC Emission</b>	Compliance to EN55032 CISPR32, EN61204-3 Class B, EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B		
<b>EMC Immunity</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 EN50082-2, EN61204-3, heavy industry level, criteria A, EAC TP TC 020		
<b>Relay of Contact rating</b>			



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Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibilty	Wire [mm2]	Connector 1 LED