Features
Universal input 85~264VAC (277VAC operational)
Protections: Short circuit / Overload / Over voltage
Cooling by free air convection
Din rail TS-35/7.5 or 15 mountable
DC output voltage adjustable
Over voltage category III
Isolation class II
LED indicator for power on
3 year warranty



Specifications							
Output							
Model	ICO-PSH3005	ICO-PSH3012	ICO-PSH3024	ICO-PSH3048			
DC Voltage	5V	12V	24V	48V			
Rated Current	3A	2A	1.5A	0.75A			
Ripple & Noise (max.) Note 2	80mVp-p	120mVp-p	150mVp-p	240mVp-p			
Current Range	0~3A	0~2A	0~1.5A	0~0.75A			
Rated Power	15W	24W	36W	36W			
Voltage Adj. Range	4.5~5.5V	10.8~13.8V	21.6~29V	43.2~55.2V			
Voltage Tolerance Note 3	±2.0%	±1.0%	±1.0%	±1.0%			
Line Regulation	<u>+</u> 1.0%	<u>+</u> 1.0%	<u>+</u> 1.0%	<u>+</u> 1.0%			
Load Regulation	<u>+</u> 1.0%	<u>+</u> 1.0%	<u>+</u> 1.0%	<u>+</u> 1.0%			
Setup, Rise Time	500ms, 50ms/230VAC 500ms, 50ms/115VAC at full load			III load			
Hold Up Time (Typ.)	30ms/230VAC 12ms/115VAC at full load						
Input							
Voltage Range	85~264VAC (277VAC operational) 120~370VDC (390VDC operational)			C operational)			
Frequency Range	47~63Hz						
Efficiency (Typ.)	82%	88%	89%	90.00%			
AC Current (Typ.)	0.88A/115VAC 0.48A/230VAC						
Inrush Current (Typ.)	Cold Start 25A/115VAC 45A/230VAC						

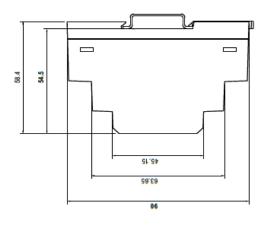
Protection						
Model	ICO-PSH3005	ICO-PSH3012	ICO-PSH3024	ICO-PSH3048		
Overload Note 4	105~160% rated output power					
	Protection type : Constant current limiting, recovers automatically after fault condition is removed					
Over Voltage	5.75~7.25V	15~18V	30~36V	57.6~67.2V		
	Protection type : Shut down o/p voltage, re-power on to recover					

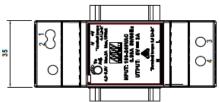
Function		Safety & EMC (Note 5)		
DC Signal OK Relay contact rating(max.): 30V/1A resistive		Safety Standards	UL60950-1, UL508, TUV EN61558-2-16, IEC60950-1 approved; Design refer to TUV EN60950-1	
Environment		Withstand Voltage	I/P-O/P:4KVAC	
Working Temp	-30~+70°C	Withstand Voltage	I/F-O/F.4KVAC	
	(Refer to "De-rating Curve)	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC /	
Working Humidity	20~90% RH (non condensing)		25°C / 70% RH	
Storage Temp, Humidity	-40~+85°C, 10~95% RH (non condensing)	EMC Emission	Compliance to EN550322 Class B (CISPR22), EN61000-3-2 Class A, EN61000-3-3	
Temp. Coefficient	±0.03%/°C (0~50°C) RH (non condensing)	EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN55035,	
Vibration	10~500Hz, 2G; 10 min./1cycle,		EN61000-6-2, EN61204-3	
	period for 60 min. each along X,Y,Z			
	axes; Mounting: Compliance to IEC60068-2-6	Others		
Operating Altitude	2000 meters	MTBF	968.1K hrs min. MIL-HDBK-217F (25°C)	
Over Voltage Cat.	III; According to EN61558, EN50178, EN60664-1, EN62477-1	Dimension	35 x 90 x 54.5mm (WxHxD)	
		Packing	0.12Kg; 96 pcs/12.5Kg/1.04CUFT	

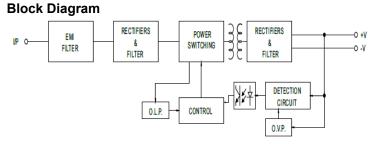
Notes:

- 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
- 3. Tolerance: includes set up tolerance, line regulation and load regulation.
- 4. Constant current limiting operation within 50%-100% rated output voltage; protection type for short circuit is hiccup mode and will recover automatically after fault condition is removed.
- 5. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies.

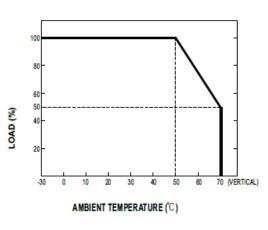
Mechanical Specification







Derating Curve



Output Derating VS Input Voltage

