

WAP-POWER-48J60

60W AC-DC High Reliability Industrial Adaptor

Features

- Global certificates
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.075W
- Energy efficiency Level VI
- Comply with EISA 2007/DoE, NRCAN, Korea K-MEPS, AU/NZ MEPS, EU ErP and CoC Version 5
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Pass LPS
- -30~+70°C wide range working temperature
- LED indicator for power on
- 1 years warranty

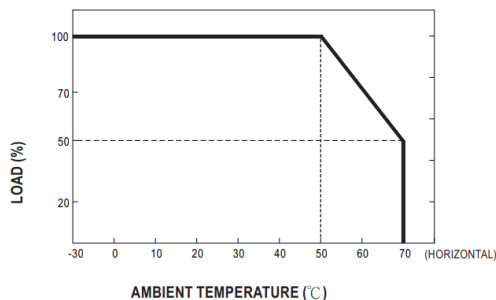


Specification

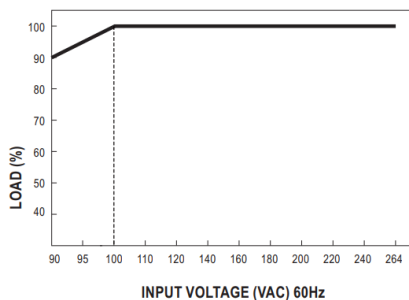
MODEL		WAP-POWER-48J60	
OUTPUT	DC VOLTAGE <small>Note.2</small>	48V	
	RATED CURRENT	1.25A	
	CURRENT RANGE	0 ~ 1.25A	
	RATED POWER (max.)	60W	
	RIPPLE & NOISE (max.) <small>Note.3</small>	200mVp-p	
	VOLTAGE TOLERANCE <small>Note.4</small>	±2.5%	
	LINE REGULATION <small>Note.5</small>	±1.0%	
	LOAD REGULATION	±2.5%	
	SETUP, RISE TIME <small>Note.6</small>	1000ms, 50ms / 230VAC 1000ms, 50ms / 115VAC at full load	
	HOLD UP TIME (Typ.)	50ms / 230VAC 15ms / 115VAC at full load	
INPUT	VOLTAGE RANGE <small>Note.7</small>	90 ~ 264VAC 135 ~ 370VDC	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	92%	
	AC CURRENT (Typ.)	1.4A / 115VAC 1A / 230VAC	
	INRUSH CURRENT (max.)	Cold start 35A / 115A C 65A / 230VAC	
LEAKAGE CURRENT (max.)	0.75mA / 240VAC		
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE	50.4 ~ 64.8V Protection type : Shut down o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover	
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")	
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing	
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)	
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	

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SAFETY & EMC (Note 8)	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1,AS/NZS 60950.1, BIS IS13252,KC K60950-1, EAC TP TC 004 approved; SIRIM MS IEC60950-1 (optional) approved		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC		
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH		
	EMC EMISSION	Parameter	Standard	Test Level / Note
		Conducted emission	EN55032(CISPR32),FCC PART 15/ CISPR22 CAN ICES-3(B)/NMB-3(B), CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Radiated emission	EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B), CNS13438,GB17625.1 EAC TP TC 020,MSIP KN32	Class B
		Harmonic current	EN61000-3-2,GB9254	Class A
		Voltage flicker	EN61000-3-3	—
		Parameter	Standard	Test Level / Note
	EMC IMMUNITY	Parameter	Standard	Test Level /Note
		ESD	EN61000-4-2	Level 4, 15KV air; Level 4, 8KV contact
		RF field susceptibility	EN61000-4-3	Level 2, 3V/m
		EFT bursts	EN61000-4-4	Level 2, 1KV
		Surge susceptibility	EN61000-4-5	Level 3, 1KV/Line-Line 2KV/Line-FG
		Conducted susceptibility	EN61000-4-6	Level 2, 3V
Magnetic field immunity		EN61000-4-8	Level 2, 3A/m	
Voltage dips ,interruption		EN61000-4-11	> 95% dip 0.5 periods, 30% dip 25 periods, > 95% interruptions 250 periods	
OTHERS	MTBF	709.7K hrs min. MIL-HDBK-217F(25°C)		
	DIMENSION	125*50*31.5mm (L*W*H)		
	PACKING	0.305Kg; 40pcs/13.02Kg/1.05CUFT		
CONNECTOR	PLUG	See page 4~5 ; Other type available by customer requested		
	CABLE	See page 4~5 ; Other type available by customer requested		
NOTE	<ol style="list-style-type: none"> All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. DC voltage: The output voltage set at point measure by plug terminal & 50% load. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1µf & 47µf capacitor. Tolerance: includes set up tolerance, line regulation, load regulation. Line regulation is measured from low line to high line at rated load. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. Derating may be needed under low input voltages. Please check the derating curve for more details. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. 			

■ Derating Curve



■ Static Characteristics



Order Information

WAP-POWER-48J60	48V/60W AC to DC Power Adaptor	Working Temperature : -30°C~50°C, 60W (45W at 60°C, 30W at 70°C)
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