



20W Single Output Switching Power Supply



■ Features :

- Constant voltage mode power supply
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over current / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- · Small and compact size
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications
- 2 years warranty

SPECIFICATION C €

MODEL		660-0252	660-0255	660-0259	660-0268	
оитрит	DC VOLTAGE	5V	12V	15V	24V	
	RATED CURRENT	3A	1.67A	1.33A	0.84A	
	CURRENT RANGE	0 ~ 3A	0~1.67A	0 ~1.33A	0 ~ 0.84A	
	RATED POWER	15W	20W	20W	20.2W	
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%	·			
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±2.0%				
	SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load				
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	77%	81%	83%	83%	
	AC CURRENT	0.55A/115VAC 0.35A/230VAC				
	INRUSH CURRENT(max.)	COLD STAR 35A/115VAC 70A/230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVER CURRENT Note.4	110 ~ 150% rated output power				
		Protection type: Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTACE	5.75 ~ 6.75V	13.8 ~ 16V	17.5 ~ 21V	28 ~ 32V	
	OVER VOLTAGE	Protection type : Shut off o/p voltage, clamping by zener diode				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to output load derating curve)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80℃, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, IP67				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms/500VDC 25℃ 70%RH				
EMC	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3				
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A				
OTHERS	MTBF	786.5Khrs min. MIL-HDBK-217F (25℃)				
	DIMENSION	118*35*26mm (L*W*H)				
	PACKING	0.22Kg; 72pcs/16.8Kg/0.75	CUFT			
NOTE	Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consided EMC directives.	arrameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. e & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. ance: includes set up tolerance, line regulation and load regulation. ing may be needed under low input voltage. Please check the derating curve for more details. bower supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets directives. th 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.				



