



■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- ZCS/ZVS technology to reduce power dissipation
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- · DC OK relay contact
- No load power consumption<1W
- NEC Class 2, limited power source (for 24V,48V only)
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty









SPECIFICATION

OUTPUT CLU OUTPUT VC LII LC SE HC FR PC INPUT EF	OC VOLTAGE RATED CURRENT CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE ADJ. RANGE VOLTAGE TOLERANCE Note.3	12V 7.5A 0 ~ 7.5A 90W 120mVp-p 12 ~ 15V	24V 4A 0~4A 96W	48V 2A 0~2A
OUTPUT CLU OUTPUT CLU LU SE HC FR PC INPUT EF	CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.3	0 ~ 7.5A 90W 120mVp-p	0 ~ 4A	
OUTPUT RIPUT EF ACIENT	RATED POWER RIPPLE & NOISE (max.) Note.2 OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.3	90W 120mVp-p		0 ~ 2A
OUTPUT VC VC LII LC SE HC FR PC INPUT EF AC IN	RIPPLE & NOISE (max.) Note.2 OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.3	120mVp-p	96W	
OUTPUT VC VC LII LC SE HC VC FR PC INPUT EF AC IN	OLTAGE ADJ. RANGE OLTAGE TOLERANCE Note.3			96W
VC LII LC SE HC VC FR PC INPUT EF AC	OLTAGE TOLERANCE Note.3	12 ~ 15\/	150mVp-p	200mVp-p
LII LC SE HC VC FR PC INPUT EF AC		IZ " IJV	24 ~ 30V	48 ~ 56V
LC SE HC VC FR PC INPUT EF AC		±1.0%	±1.0%	±1.0%
SE HC VC FR PC INPUT EF AC IN	INE REGULATION	±1.0%	±1.0%	±1.0%
VC FR PC INPUT EF AC IN	OAD REGULATION	±1.0%	±1.0%	±1.0%
VC FR PC INPUT EF AC IN	ETUP, RISE TIME Note.5	3000ms, 50ms/230VAC 3000ms, 50ms/115VAC at full load		
VC FR PC INPUT EF AC IN	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC at full load		
INPUT EF AC	, ,,	85 ~ 264VAC 120 ~ 370VDC		
INPUT EF AC IN	REQUENCY RANGE	47 ~ 63Hz		
INPUT EF AC IN	POWER FACTOR (Typ.)	PF≥0.95/230VAC PF≥0.98/115VAC at full load		
AC IN	FFICIENCY (Typ.)	85%	86%	88%
IN	AC CURRENT (Typ.)	1.3A/115VAC 0.8A/230VAC	3070	
	NRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC		
	EAKAGE CURRENT	<1mA / 240VAC		
	OVERLOAD	105 ~ 150% rated output power		
0/		<u> </u>	recovers automatically after fault condition is	removed
	OVER VOLTAGE	15.6 ~ 18V	31.2 ~ 36V	57.6 ~ 64.8V
PROTECTION O		Protection type : Shut down o/p voltage, re-	power on to recover	
	OVER TEMPERATURE	90°C ±10°C (RTH2) detect on heatsink of power transistor		
0/		Protection type: Shut down o/p voltage, re-power on to recover		
FUNCTION DO	DC OK SIGNAL	Relay contact rating(max.): 30V/1A resistive		
	VORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)		
-	VORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH		
	EMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
VI	/IBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6		
SA	SAFETY STANDARDS	UL508, TUV EN60950-1 approved, design refer to NEC CLASS 2 (for 24V,48V only)		
	VITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC		
	SOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms/500VDC 25°C 70%RH		
EMC EN	MI CONDUCTION & RADIATION	Compliance to EN55011, EN55022 (CISPR22), EN61204-3 Class B		
(Note 4)	HARMONIC CURRENT	Compliance to EN61000-3-2,-3		
	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, ENV50204, EN55024, EN61000-6-2, EN61204-3, heavy industry level, criteria A		
M-	/TBF	346K hrs min. MIL-HDBK-217F (25°C)		
OTHERS DI	DIMENSION	55*90*100mm (W*H*D)		
PA	PACKING	0.42Kg; 30pcs/13.6Kg/0.82CUFT		
2. 3. 4.	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. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. 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. 6. Deating maybe needed under low input voltages, please check the derating curve for more detail. File Name: MOR: 100.SPEC. 2008.02.04			



