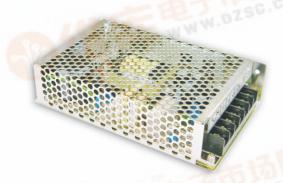


### 75W Triple Output Switching Power Supply

# NET-75 series



#### ■ Features :

- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- · 2 years warranty

## **Mus** CB(E

#### **SPECIFICATION**

MODEL			NET-75A			NET-75B			NET-75C			NET-75D		
OUTPUT NUMBER	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3		
DC VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V	5V	24V	12V		
RATED CURRENT	6A	3A	0.5A	5A	2.8A	0.5A	6A	2.3A	0.5A	5A	1.5A	1A		
CURRENT RANGE Note.6	0.6 ~ 7A	0.2 ~ 3.5A	0.1 ~ 0.7A	0.6 ~ 7A	0.2 ~ 3.5A	0.1 ~ 0.7A	0.6 ~ 7A	0.1 ~ 3.5A	0.1 ~ 0.7A	0.6 ~ 6A	0.1 ~ 2A	0.1 ~ 1.5		
RATED POWER	68.5W		64.6W		72W		73W							
RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	80mVp-p	120mVp-p	120mVp-p	80mVp-p	150mVp-p	150mVp-p	80mVp-p	200mVp-p	120mVp-		
VOLTAGE ADJ. RANGE	CH1:4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V		CH1: 4.75 ~ 5.5V			CH1: 4.75 ~ 5.5V						
VOLTAGE TOLERANCE Note.3	±2.0%	±6.0%	±5.0%	±2.0%	±6.0%	±5.0%	±2.0%	±8.0%	±5.0%	±2.0%	±8.0%	±6.0%		
LINE REGULATION Note.4	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%	±0.5%	±1.0%	±1.0%		
LOAD REGULATION Note.5	±1.5%	±3.0%	±1.0%	±1.5%	±3.0%	±1.0%	±1.5%	±3.0%	±1.0%	±1.5%	±3.0%	±3.0%		
SETUP, RISE TIME	500ms, 30ms/230VAC 1200ms, 30ms/115VAC at full load													
HOLD UP TIME (Typ.)	50ms/230VAC 10ms/115VAC at full load													
VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC													
FREQUENCY RANGE	47 ~ 63Hz 77%									-44				
EFFICIENCY(Typ.)				78%			78%			80%	- 65			
AC CURRENT (Typ.)	1.5A/115\	/AC C	0.9A/230VA	C						. 07	5V			
INRUSH CURRENT (Typ.)	COLD START 45A													
LEAKAGE CURRENT	<2mA / 240VAC													
PROTECTION OVER VOLTAGE	110 ~ 150% rated output power													
	Protection type: Hiccup mode, recovers automatically after fault condition is removed													
	CH1: 5.75 ~ 6.75V													
OVER VOLIAGE	Protection type: Shut down o/p voltage, re-power on to recover													
WORKING TEMP.	-20 ~ +60 °C (Refer to output load derating curve)													
WORKING HUMIDITY	20 ~ 90% RH non-condensing													
STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH													
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 45°C)										-			
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes													
SAFETY STANDARDS	UL60950-1, CB(IEC60950-1) Approved													
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC													
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC													
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, EN61000-6-1 Light industry level, criteria A													
MTBF	361.6K hrs min. MIL-HDBK-217F (25°C)													
DIMENSION	159*97*38mm (L*W*H)													
PACKING	0.52Kq; 30pcs/16.6Kg/0.97CUFT													
	DC VOLTAGE  RATED CURRENT  CURRENT RANGE Note.6  RATED POWER  RIPPLE & NOISE (max.) Note.2  VOLTAGE ADJ. RANGE  VOLTAGE TOLERANCE Note.3  LINE REGULATION Note.5  SETUP, RISE TIME  HOLD UP TIME (Typ.)  VOLTAGE RANGE  FREQUENCY RANGE  EFFICIENCY(Typ.)  AC CURRENT (Typ.)  INRUSH CURRENT (Typ.)  LEAKAGE CURRENT  OVERLOAD  OVER VOLTAGE  WORKING TEMP.  WORKING HUMIDITY  STORAGE TEMP., HUMIDITY  TEMP. COEFFICIENT  VIBRATION  SAFETY STANDARDS  WITHSTAND VOLTAGE  EMI CONDUCTION & RADIATION  HARMONIC CURRENT  EMS IMMUNITY  MTBF  DIMENSION	OUTPUT NUMBER         CH1           DC VOLTAGE         5V           RATED CURRENT         6A           CURRENT RANGE         Note.6         0.6 ~ 7A           RATED POWER         68.5W           RIPPLE & NOISE (max.) Note.2         80mVp-p           VOLTAGE ADJ. RANGE         CH1:4.75           VOLTAGE TOLERANCE Note.3         ±2.0%           LINE REGULATION Note.4         ±0.5%           LOAD REGULATION Note.5         ±1.5%           SETUP, RISE TIME         500ms, 30           HOLD UP TIME (Typ.)         50ms/230           VOLTAGE RANGE         47 ~ 63Hz           FREQUENCY RANGE         47 ~ 63Hz           EFFICIENCY(Typ.)         77%           AC CURRENT (Typ.)         1.5A/115           INRUSH CURRENT (Typ.)         COLD ST.           LEAKAGE CURRENT         <2mA / 24	OUTPUT NUMBER         CH1         CH2           DC VOLTAGE         5V         12V           RATED CURRENT         6A         3A           CURRENT RANGE         Note.6         0.6 ~ 7A         0.2 ~ 3.5A           RATED POWER         68.5W           RIPPLE & NOISE (max.) Note.2         80mVp-p         120mVp-p           VOLTAGE ADJ. RANGE         CH1:4.75 ~ 5.5V           VOLTAGE TOLERANCE Note.3         ±2.0%         ±6.0%           LINE REGULATION Note.4         ±0.5%         ±1.0%           LOAD REGULATION Note.5         ±1.5%         ±3.0%           SETUP, RISE TIME         500ms, 30ms/230VAC           HOLD UP TIME (Typ.)         50ms/230VAC           VOLTAGE RANGE         85 ~ 264VAC         12           FREQUENCY RANGE         47 ~ 63Hz           EFFICIENCY(Typ.)         7.7%           AC CURRENT (Typ.)         1.5A/115VAC         0           INRUSH CURRENT (Typ.)         COLD START 45A           LEAKAGE CURRENT         <2mA / 240VAC	OUTPUT NUMBER         CH1         CH2         CH3           DC VOLTAGE         5V         12V         -5V           RATED CURRENT         6A         3A         0.5A           CURRENT RANGE         Note.6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A           RATED POWER         68.5W           RIPPLE & NOISE (max.) Note.2         80mVp-p         120mVp-p         120mVp-p           VOLTAGE ADJ. RANGE         CH1:4.75 ~ 5.5V           VOLTAGE TOLERANCE Note.3         ±2.0%         ±6.0%         ±5.0%           LINE REGULATION Note.4         ±0.5%         ±1.0%         ±1.0%           LOAD REGULATION Note.5         ±1.5%         ±3.0%         ±1.0%           SETUP, RISE TIME         500ms, 30ms/230VAC         10ms/115V/c           HOLD UP TIME (Typ.)         50ms/230VAC         10ms/115V/c           VOLTAGE RANGE         85 ~ 264VAC         120 ~ 370VD/c           FREQUENCY RANGE         47 ~ 63Hz           FFEICIENCY(Typ.)         77%           AC CURRENT (Typ.)         1.5A/115VAC         0.9A/230VAC           INRUSH CURRENT (Typ.)         1.5A/115VAC         0.9A/230VAC           OVER VOLTAGE         110 ~ 150% rated output power         Protection type: Hiccup mode, in the protecti	OUTPUT NUMBER         CH1         CH2         CH3         CH1           DC VOLTAGE         5V         12V         -5V         5V           RATED CURRENT         6A         3A         0.5A         5A           CURRENT RANGE         Note.6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A           RATED POWER         68.5W         68.6W         64.6W         64.6W           RIPPLE & NOISE (max.) Note.2         80mVp-p         120mVp-p         120mVp-p         80mVp-p           VOLTAGE ADJ. RANGE         CH1:4.75 ~ 5.5V         CH1:4.75         CH1:4.75         CH1:4.75           VOLTAGE TOLERANCE Note.3         ±2.0%         ±6.0%         ±5.0%         ±2.0%           LINE REGULATION         Note.4         ±0.5%         ±1.0%         ±1.0%         ±0.5%           LOAD REGULATION         Note.5         ±1.5%         ±3.0%         ±1.0%         ±1.5%         ±1.5%           SETUP, RISE TIME         500ms, 30ms/230VAC         10ms/115VAC at full loc         10ms/115VAC at full loc         10ms/115VAC at full loc           VOLTAGE RANGE         85 ~ 264VAC         120 ~ 370VDC         120 ~ 370VDC         78%           FREQUENCY RANGE         47 ~ 63Hz         120 ~ 370VDC <t< td=""><td>OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2           DC VOLTAGE         5V         12V         -5V         5V         12V           RATED CURRENT         6A         3A         0.5A         5A         2.8A           CURRENT RANGE         Note.8         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A           RATED POWER         68.5W         64.6W         64.6W           RIPPLE &amp; NOISE (max.)         Note.2         80mVp-p         120mVp-p         80mVp-p         120mVp-p         80mVp-p         120mVp-p         120mVp</td><td>OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2         CH3           DC VOLTAGE         5V         12V         -5V         5V         12V         -12V           RATED CURRENT         6A         3A         0.5A         5A         2.8A         0.5A           CURRENT RANGE         Note.6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A           RATED POWER         68.5W         64.6W         64.6W         120mVp-p         120mVp-p         80mVp-p         120mVp-p         <td< td=""><td>OUTPUT NUMBER         CH1         CH2         CH3         CH3         CH3         CH3         CH3         CH3         CH3         CA         CA         DA         CA         CA</td><td>OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH2         DC VOLTAGE         5V         12V         -5V         5V         12V         -12V         5V         15V           RATEO DOWER         Note, 6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.1 ~ 3.5A           RATEO POWER         68.5W         64.6W         W         W         W         W         W         W         W         W         150Wpp         <t< td=""><td>  OUTPUT NUMBER   CH1</td><td>  OUTPUT NUMBER</td><td>  OLTPUT NUMBER</td></t<></td></td<></td></t<>	OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2           DC VOLTAGE         5V         12V         -5V         5V         12V           RATED CURRENT         6A         3A         0.5A         5A         2.8A           CURRENT RANGE         Note.8         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A           RATED POWER         68.5W         64.6W         64.6W           RIPPLE & NOISE (max.)         Note.2         80mVp-p         120mVp-p         80mVp-p         120mVp-p         80mVp-p         120mVp-p         120mVp	OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2         CH3           DC VOLTAGE         5V         12V         -5V         5V         12V         -12V           RATED CURRENT         6A         3A         0.5A         5A         2.8A         0.5A           CURRENT RANGE         Note.6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A           RATED POWER         68.5W         64.6W         64.6W         120mVp-p         120mVp-p         80mVp-p         120mVp-p         120mVp-p <td< td=""><td>OUTPUT NUMBER         CH1         CH2         CH3         CH3         CH3         CH3         CH3         CH3         CH3         CA         CA         DA         CA         CA</td><td>OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH2         DC VOLTAGE         5V         12V         -5V         5V         12V         -12V         5V         15V           RATEO DOWER         Note, 6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.1 ~ 3.5A           RATEO POWER         68.5W         64.6W         W         W         W         W         W         W         W         W         150Wpp         <t< td=""><td>  OUTPUT NUMBER   CH1</td><td>  OUTPUT NUMBER</td><td>  OLTPUT NUMBER</td></t<></td></td<>	OUTPUT NUMBER         CH1         CH2         CH3         CH3         CH3         CH3         CH3         CH3         CH3         CA         CA         DA         CA         CA	OUTPUT NUMBER         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH3         CH1         CH2         CH2         DC VOLTAGE         5V         12V         -5V         5V         12V         -12V         5V         15V           RATEO DOWER         Note, 6         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.2 ~ 3.5A         0.1 ~ 0.7A         0.6 ~ 7A         0.1 ~ 3.5A           RATEO POWER         68.5W         64.6W         W         W         W         W         W         W         W         W         150Wpp         150Wpp <t< td=""><td>  OUTPUT NUMBER   CH1</td><td>  OUTPUT NUMBER</td><td>  OLTPUT NUMBER</td></t<>	OUTPUT NUMBER   CH1	OUTPUT NUMBER	OLTPUT NUMBER		

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- 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. Line regulation is measured from low line to high line at rated load.
- 5. Load regulation is measured from 20% to 100% rated load, and other output at 60% rated load.
  6. Each output can work within current range. But total output power can't exceed rated output power.
  7. 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 DEMC directives.



