



■ Features :

- Universal AC input/Full range
- ZVS new technology
- AC input active surge current limiting
- Built-in active PFC function,PF>0.95
- Protections: Short circuit / Overload / Over voltage / Over temperature
- * Forced air cooling by built-in DC ball bearing fan
- High power density 8.3W/inch³
- Output voltage can be trimmed between 20% ~ 110% rated value
- Current sharing up to 4500W(2+1)
- Alarm signal output
- Built-in 12V/0.1A auxiliary output for remote control
- * Built-in remote ON-OFF control
- Built-in remote sense function
- 3 years warranty

Parallel P c SU US A CBCE

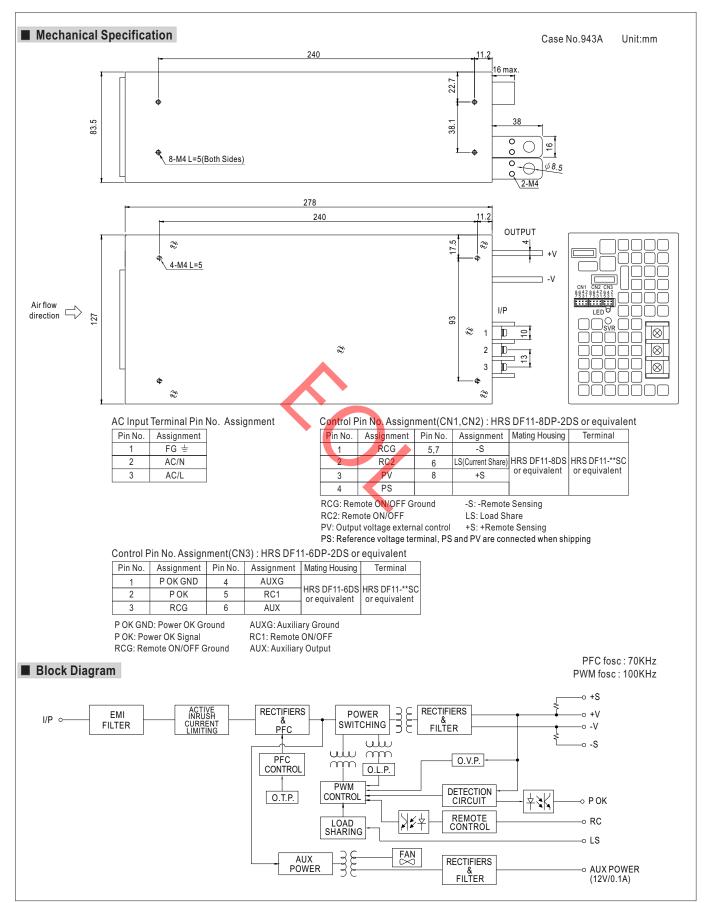
CURRENT ENT RANGE POWER & NOISE (max.) Note.2 GE ADJ. RANGE GE TOLERANCE Note.3 EGULATION RISE TIME JP TIME (Typ.) GE RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT OAD	±5% typical adjustment by VR, 20% ±1.0% ±0.5% ±0.5% 1500ms, 100ms at full load 10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at full 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	14ms at full load	48V 32A 0 ~ 32A 1536W 200mVp-p IC external control signal 16ms at full load				
ENT RANGE POWER E & NOISE (max.) Note.2 GE ADJ. RANGE GE TOLERANCE Note.3 EGULATION RISE TIME JP TIME (Typ.) GE RANGE RECY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	0 ~ 125A 1500W 150mVp-p ±5% typical adjustment by VR, 20% ±1.0% ±0.5% ±0.5% 1500ms, 100ms at full load 10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at full 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	0 ~ 63A 1512W 150mVp-p ~ 110% (typ.) adjustment by 1~6VD	0 ~ 32A 1536W 200mVp-p IC external control signal 16ms at full load				
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GE TOLERANCE Note.3 EGULATION REGULATION RISE TIME JP TIME (Typ.) GE RANGE Note.4 ENCY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	±1.0% ±0.5% ±0.5% 1500ms, 100ms at full load 10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at full 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	14ms at full load	C external control signal				
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REGULATION RISE TIME JP TIME (Typ.) GE RANGE Note.4 ENCY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	±0.5% 1500ms, 100ms at full load 10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at full 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	load					
RISE TIME JP TIME (Typ.) GE RANGE Note.4 ENCY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	1500ms, 100ms at full load 10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at ful 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	load					
JP TIME (Typ.) GE RANGE Note.4 ENCY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	10ms at full load 90 ~ 264VAC 127 ~ 370VDC 47 ~ 63Hz 0.95/230VAC 0.98/115VAC at full 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	load					
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ENCY RANGE R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	47 ~ 63Hz 0.95/230VAC 0.98/115VAC at ful 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC		90%				
R FACTOR (Typ.) ENCY (Typ.) RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	0.95/230VAC 0.98/115VAC at ful 86.5% 17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC		90%				
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RRENT (Typ.) H CURRENT (Typ.) GE CURRENT	17A/115VAC 8A/230VAC 30A/115VAC 60A/230VAC <2.0mA / 240VAC	90%	90%				
H CURRENT (Typ.) GE CURRENT	30A/115VAC 60A/230VAC <2.0mA / 240VAC		-1				
GE CURRENT	<2.0mA / 240VAC	¥					
OAD	105 ~135% rated output power	<2.0mA / 240VAC					
OAD		105 ~135% rated output power					
	Protection type: Constant current limiting, recovers automatically after fault condition is removed						
CTION	13.8 ~ 16.8V	30 ~ 34.8V	57.6 ~ 67.2V				
/OLTAGE	Protection type: Shut down o/p voltage, re-power on to recover						
TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down						
ARY POWER(AUX)	12V@0.1A(Only for Remote ON/OFF control)						
E ON/OFF CONTROL	Please see the Function Manual						
I SIGNAL OUTPUT	Please see the Function Manual						
T VOLTAGE TRIM	2.4 ~ 13.2V						
NG TEMP.	-20 ~ +70°C (Refer to "Derating Curve")						
NG HUMIDITY	20~90% RH non-condensing						
GE TEMP., HUMIDITY	$-40 \sim +85^{\circ}$ C, $10 \sim 95\%$ RH non-condensing						
COEFFICIENT	±0.05%/°C (0~50°C)						
TION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes						
Y STANDARDS	UL60950-1, TUV EN60950-1 approved						
TAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
TON RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH						
MISSION	Compliance to EN55032 (CISPR32), EN61000-3-2,-3						
IMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A						
	109K hrs min. MIL-HDBK-217F (25°C)						
SION	278*127*83.5mm (L*W*H)	278*127*83.5mm (L*W*H)					
NG	3.0Kg; 4pcs/13Kg/1.19CUFT	3.0Kg; 4pcs/13Kg/1.19CUFT					
T N N G C C T I C V I I V I V I V I V I V I V I V I V	OVOLTAGE TRIM G TEMP. G HUMIDITY E TEMP., HUMIDITY DEFFICIENT DN STANDARDS AND VOLTAGE DN RESISTANCE SSION IUNITY ON G rameters NOT specia e & noise are measure	VOLTAGE TRIM 2.4 ~ 13.2V G TEMP. -20 ~ +70°C (Refer to "Derating Curve G HUMIDITY 20~90% RH non-condensing E TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH non-conde DEFFICIENT ±0.05%/°C (0 ~ 50°C) DN 10 ~ 500Hz, 2G 10min./1cycle, 60min. STANDARDS UL60950-1, TUV EN60950-1 approve AND VOLTAGE I/P-O/P.3KVAC I/P-FG:2KVAC O/P-FG:100M Ohms/ SSION Compliance to EN55032 (CISPR32), I UNITY Compliance to EN61000-4-2,3,4,5,6,8 109K hrs min. MIL-HDBK-217F (25 ON 278*127*83.5mm (L*W*H) 3.0Kg; 4pcs/13Kg/1.19CUFT rameters NOT specially mentioned are measured at 230VA/ 8 noise are measured at 20MHz of bandwidth by using a	VOLTAGE TRIM 2.4 ~ 13.2V G TEMP. -20 ~ +70°C (Refer to "Derating Curve") G HUMIDITY 20~90% RH non-condensing E TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH non-condensing DEFFICIENT ±0.05%/°C (0 ~ 50°C) DN 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes STANDARDS UL60950-1, TUV EN60950-1 approved AND VOLTAGE I/P-O/P.3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC DN RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH SSION Compliance to EN55032 (CISPR32), EN61000-3-2,-3 IUNITY Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, 109K hrs min. MIL-HDBK-217F (25°C) ON 278*127*83.5mm (L*W*H) 3.0Kg; 4pcs/13Kg/1.19CUFT rameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of are & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated wance: includes set up tolerance, line regulation and load regulation.				

- 4. Defaulting may be freeded under low litput voltages. Frease check the defaults cave for more details.

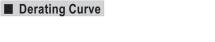
 5. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 720mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)

 6. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

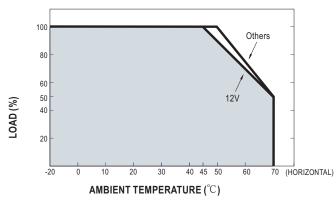


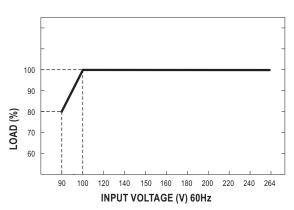






■ Static Characteristics





■ Function Manual

1.Remote ON/OFF

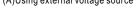
- (1)Remote ON/OFF control becomes available by applying voltage in CN1 & CN2 & CN3
- (2) Table 1.1 shows the specification of Remote ON/OFF function
- (3)Fig.1.2 shows the example to connect Remote ON/OFF control function $\begin{tabular}{ll} \begin{tabular}{ll} \begin{tabula$

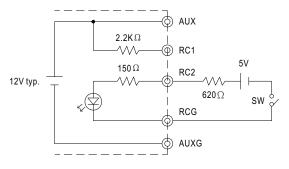
Table 1.1 Specification of Remote ON/OFF

Connec	tion Method	Fig. 1.2(A)	Fig. 1.2(B)	Fig. 1.2(C)
SW Logic	Output on	SW Open	SW Open	SW Close
3W Logic	Output off	SW Close	SW Close	SW Open

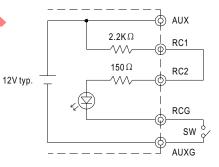
Fig.1.2 Examples of connecting remote ON/OFF

(A)Using external voltage source

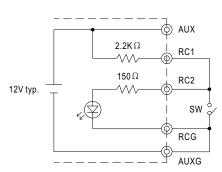








(C)Using internal 12V auxiliary output





2.Alarm Signal Output

- (1)Alarm signal is sent out through "P OK" & "P OK GND" pins
- (2)An external voltage source is required for this function. The maximum applied voltage is 50V and the maximum sink current is 10mA
- (3) Table 2.1 explains the alarm function built-in the power supply

· /	1 117				
Function	Description	Output of alarm(P OK)			
P OK	The signal is "Low" when the power supply is above 15% of the rated output voltage-Power OK	Low (0.5V max at 10mA)			
I OK	The signal turns to be "High" when the power supply is under 15% of the rated output voltage-Power Fail	High or open (External applied voltage 10mA max.)			

Table 2.1 Explanation of alarm function

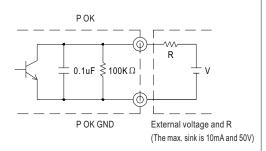
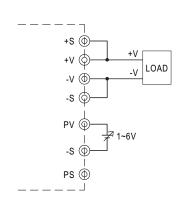
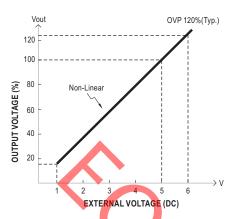
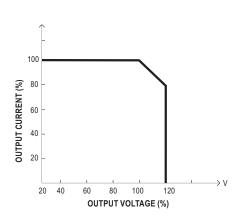


Fig. 2.2 Internal circuit of P OK (Open collector method)

3.External Voltage Control







Note: (1)Reference voltage terminal, PS and PV are connected when shipping (2)+S & +V, -S & -V also need to be connected on CN1 or CN2.

4. Current Sharing

- (1)Parallel operation is available by connecting the units shown as below (+S,-S and LS are connected mutually in parallel):
- (2) The voltage difference among each output should be minimized that less than 0.2V is required
- (3)The total output current must not exceed the value determined by the following equation (Output current at parallel operation)=(The rated current per unit) x (Number of unit) x 0.9
- (4) In parallel operation 3 units is the maximum, please consult the manufacturer for other applications
- (5) When remote sensing is used in parallel operation, the sensing wire must be connected only to the master unit

Note: In parallel connection, maybe only one unit (master) operate if the total output load is less than 5% of rated load condition.

The other PSUs (slaves) may go into standby mode and their output LEDs will not turn on. (6)Under parallel operation, the "output voltage trim" function is not available.

