



#### Features:

- Current sharing up to 3840W(7+1)
- High efficiency 94% and low power dissipation
- 150% peak load capability
- Built-in active PFC function, PF>0.94
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Cooling by free air convection
- · Built-in constant current limiting circuit
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- EN61000-6-2(EN50082-2) industrial immunity level
- Built-in DC OK relay contact
- 100% full load burn-in test
- · 3 years warranty









#### **SPECIFICATION**

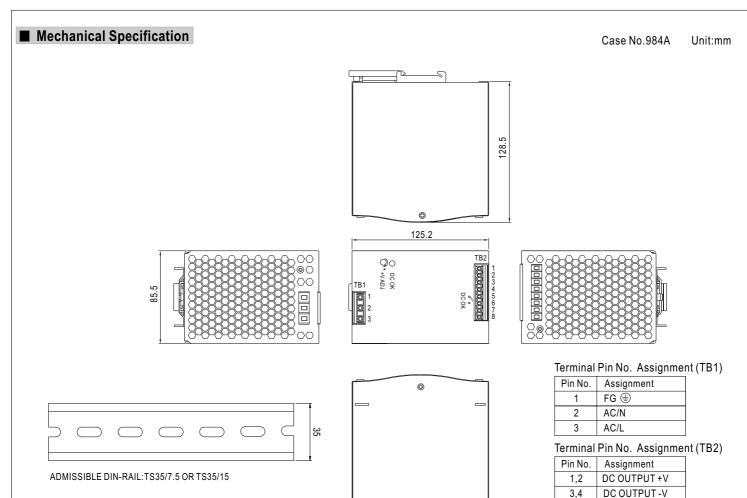
GE JRRENT RANGE DWER RRENT WER Note.6 NOISE (max.) Note.3 ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	24 ~ 28V	48V 10A 0 ~ 10A 480W 15A 120mVp-p 48 ~ 55V ±1.0%	
RANGE DWER RRENT WER Note.6 NOISE (max.) Note.3 ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	0 ~ 20A 480W 30A 720W (3sec.) 2 100mVp-p 24 ~ 28V ±1.2% ±0.5%	0 ~ 10A 480W 15A 120mVp-p 48 ~ 55V	
OWER RRENT WER Note.6 NOISE (max.) Note.: ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	480W 30A 720W (3sec.) 2 100mVp-p 24 ~ 28V ±1.2% ±0.5%	480W 15A 120mVp-p 48 ~ 55V	
RRENT NER Note.6 NOISE (max.) Note. ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	30A 720W (3sec.) 2 100mVp-p 24 ~ 28V 5 ±1.2% ±0.5%	15A 120mVp-p 48 ~ 55V	
NER Note.6 NOISE (max.) Note. ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	720W (3sec.) 2 100mVp-p 24 ~ 28V 5 ±1.2% ±0.5%	120mVp-p 48 ~ 55V	
NOISE (max.) Note.: ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	2 100mVp-p 24 ~ 28V ±1.2% ±0.5%	48 ~ 55V	
ADJ. RANGE TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	24 ~ 28V ±1.2% ±0.5%	48 ~ 55V	
TOLERANCE Note.3 ULATION GULATION SE TIME TIME (Typ.)	±1.2% ±0.5%		
ULATION GULATION SE TIME TIME (Typ.)	±0.5%	+1.0%	
SULATION SE TIME TIME (Typ.)		=1.070	
SE TIME TIME (Typ.)	±1.0%	±0.5%	
ТІМЕ (Тур.)		±1.0%	
	1500ms, 150ms/230VAC 3000ms, 150ms/115VAC at full load		
	14ms/230VAC at full load		
RANGE Note.7	90 ~ 264VAC 127 ~ 370VDC		
CY RANGE			
ACTOR (Typ.)			
CY (Typ.)	94%		
ENT (Typ.)	5A/115VAC 2.5A/230VAC 40A/115VAC 80A/230VAC		
URRENT (Typ.)			
CURRENT	<0.6mA / 240VAC		
OVERLOAD	Normally works within 110 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recove		
	>150% rated power, constant current limiting with auto-recovery within 2 seconds and may cause to shut down if over 2 seconds		
OVER VOLTAGE  OVER TEMPERATURE	29 ~ 33V	56 ~ 65V	
	Protection type: Shut down o/p voltage with auto-recovery or re-power on to recovery		
	105°C ±5°C (TSW: detect on heatsink of power switch)		
	Protection type: Shut down o/p voltage, recovers automatically after temperature goes down		
CONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load		
SHARING	Please see the Function Manual		
TEMP. Note.5			
HUMIDITY	20 ~ 95% RH non-condensing		
TEMP., HUMIDITY			
EFFICIENT			
N			
TANDARDS	UL508, TUV EN60950-1 approved		
ND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC		
N RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C / 70% RH		
SION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3		
JNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level, criteria A, SEMI F47, GL approved		
·	11		
N	1.6Kg; 8pcs/13.8Kg/0.9CUFT		
SIG	DN TY	ON Compliance to EN55022 (CISPR22) Class B, EN  Compliance to EN61000-4-2,3,4,5,6,8,11, EN55  SEMI F47, GL approved  112.9Khrs min. MIL-HDBK-217F (25°C)  85.5*125.2*128.5mm (W*H*D)	

- 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. Installation clearances: 40mm on top, 20mm on the bottom, 5mm on the left and right side are recommended when loaded permanently with full power. In case the adjacent device is a heat source, 15mm clearance is recommended.
- 6. 3 seconds peak power max. and the average output power should not exceed the rate power.
- 7. Derating may be needed under low input voltage. Please check the derating curve for more details

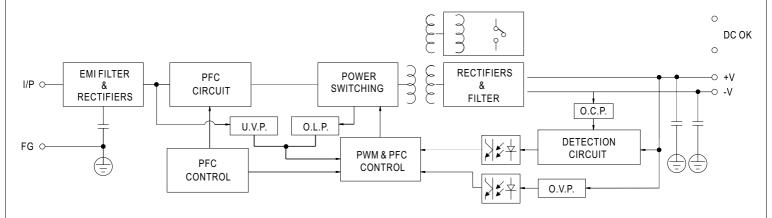
5,6

Relay Contact P+ (currene share) P- (currene share)





# ■ Block Diagram

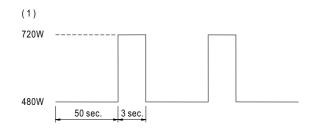


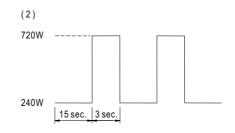
### ■ DC OK Relay Contact

Contact Close	PSU turns on / DC OK.
Contact Open	PSU turns off / DC Fail.
Contact Ratings (max.)	30V/1A resistive load.

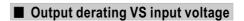


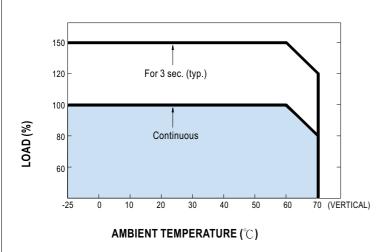
### ■ Peak Loading

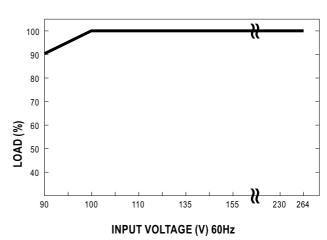




## ■ Derating Curve







#### **■** Function Manual

- 1. Current sharing
  - (1)Parallel operation is available by connecting the units shown as below (P+,P- are connected mutually in parallel):
  - (2) The voltage difference among each output should be minimized that less than  $\pm 2\%$  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 8 units is the maximum, please consult the manufacture for other applications.
  - (5) When in parallel operation, the minimum output load should be greater than 3% of total output load. (Min. load > 3% rated current per unit x number of unit)

