



■ Features :

- AC input 180~264VAC only
- 130% peak load capability
- 110mm slim design
- Built-in active PFC function compliance to BS EN/EN61000-3-2
- High efficiency 94% and low power dissipation
- 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
- UL508(industrial control equipment)approved
- BS EN/EN61000-6-2(BS EN/EN50082-2) industrial immunity level
- * Current sharing up to 3840W(3+1)
- Built-in DC OK relay contact
- * 100% full load burn-in test
- 3 years warranty

















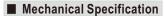
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OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.)	24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	48V 20A 0 ~ 20A 960W 26A 250mVp-p 48 ~ 55V ±1.0% ±0.5% ±1.0%		
RANGE VER RENT ER Note.6 OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) ANGE Note.7	0~40A 960W 52A 1248W (3sec.) 2180mVp-p 24~28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	0 ~ 20A 960W 26A 250mVp-p 48 ~ 55V ±1.0% ±0.5%		
VER RENT ER Note.6 OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) LANGE Note.7	960W 52A 1248W (3sec.) 2 180mVp-p 24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	960W 26A 250mVp-p 48 ~ 55V ±1.0% ±0.5%		
RENT ER Note.6 OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) LANGE Note.7	52A 1248W (3sec.) 2 180mVp-p 24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	26A 250mVp-p 48 ~ 55V ± 1.0% ± 0.5%		
ER Note.6 OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) ANGE Note.7	1248W (3sec.) 180mVp-p 24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	250mVp-p 48 ~ 55V ±1.0% ±0.5%		
OISE (max.) Note.2 DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) ANGE Note.7	2 180mVp-p 24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	48~55V ±1.0% ±0.5%		
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DJ. RANGE OLERANCE Note.3 LATION JLATION E TIME ME (Typ.) LANGE Note.7	24 ~ 28V ±1.0% ±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	48~55V ±1.0% ±0.5%		
LATION JLATION E TIME ME (Typ.) LANGE Note.7	±0.5% ±1.0% 1000ms, 100ms/230VAC at full load	±1.0% ±0.5%		
JLATION E TIME ME (Typ.) ANGE Note.7	±1.0% 1000ms, 100ms/230VAC at full load			
E TIME ME (Typ.) ANGE Note.7	1000ms, 100ms/230VAC at full load			
E TIME ME (Typ.) ANGE Note.7	1000ms, 100ms/230VAC at full load			
ME (Typ.) ANGE Note.7				
ANGE Note.7	14ms / 230VAC at full load			
	180 ~ 264VAC 254 ~ 370VDC			
INANGL	47 ~ 63Hz			
CTOR (Typ.)	~ 65⊓Z ≤≥0.95/230VAC at full load			
Y (Typ.)	94%	94%		
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UKKENI				
	Normally works within 105 ~ 130% rated output power for more than 3 seconds and then shut down o/p voltage with auto-recovery			
)				
	Constant current limiting within 130 ~ 150% rated output power for more than 3 seconds and then shut down o/p voltage, re-power			
AGE		56 ~ 65V		
	Protection type: Shut down o/p voltage, with auto-recovery or re-power on to recover			
PERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
ONTACT RATINGS (max.)	60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive load			
HARING	Please refer to function manual			
TEMP. Note.5	-30 ~ +70°C (Refer to "Derating Curve")			
HUMIDITY	20 ~ 95% RH non-condensing			
TEMP., HUMIDITY	-40 \sim +85 $^{\circ}$ C, 10 \sim 95% RH non-condensing			
FFICIENT	±0.03%/°C (0~50°C)			
	Component:10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6			
ANDARDS	UL508, TUV BS EN/EN62368-1, BSMI CNS14336-1, AS/NZS62368.1, EAC TP TC 004 approved; (meet BS EN/EN60204-1)			
VOLTAGE	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC O/P-DC OK:0.5KVAC			
SAFETY & WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P EMC ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/R		O/P, I/P-FG, O/P-FG:>100M Ohms / 500VDC / 25°C/ 70% RH		
	Compliance to BS EN/EN55032 (CISPR32), BS EN/EN61204-3 Conduction class B, Radiation class A, BS EN/EN61000-3-2,-3,			
1011	EAC 17 10 020, BSMI CNS 13438, NO NSC 9832			
ION Note.8		Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024, BS EN/EN61000-6-2 (BS EN/EN50082-2), BS EN/EN61204-3,		
	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,1	, , , , , , , , , , , , , , , , , , , ,		
ION Note.8	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,1 heavy industry level, EAC TP TC 020, KC KSC 9	9835		
NITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,1 heavy industry level, EAC TP TC 020, KC KSC 660.2K hrs min. Telcordia SR-332 (Bellcore)	9835		
	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,1 heavy industry level, EAC TP TC 020, KC KSC 9	9835		
T F	NT (Typ.) JRRENT (Typ.) CURRENT TAGE PERATURE CONTACT RATINGS (max.) SHARING	NT (Typ.) 6A/230VAC JRRENT (Typ.) COLD START 50A / 230VAC CURRENT 3.5mA / 240VAC Normally works within 105 ~ 130% rated output after 30 seconds if the peak load condition is rem Constant current limiting within 130 ~ 150% rate on to recover 29 ~ 33V Protection type : Shut down o/p voltage, with au PERATURE Shut down o/p voltage, recovers automatically a 60Vdc/0.3A, 30Vdc/1A, 30Vac/0.5A resistive loads SHARING Please refer to function manual TEMP. Note.5 -30 ~ +70°C (Refer to "Derating Curve") HUMIDITY 20 ~ 95% RH non-condensing TEMP., HUMIDITY -40 ~ +85°C, 10 ~ 95% RH non-condensing FIFICIENT ±0.03%°C (0 ~ 50°C) Component:10 ~ 500Hz, 2G 10min./1cycle, 60m TANDARDS UL508, TUV BS EN/EN62368-1, BSMI CNS143		

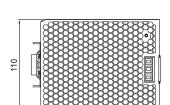
- 3. Tolerance : includes set up tolerance, line regulation and load regulation.
- 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. (as available on https://www.meanwell.com//Upload/PDF/EMI_statement_en.pdf)
- 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.
- 8. Consult MEAN WELL for deployment of Radiation class B.

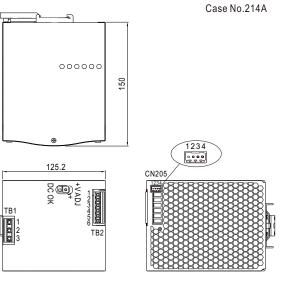
 9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).
- ※ Product Liability Disclaimer: For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx





(Unit: mm , tolerance ± 1mm)







ADMISSIBLE DIN-RAIL:TS35/7.5 OR TS35/15

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Terminal Pin No. Assignment (TB1)

Pin No.	Assignment
1	FG (=)
1	
2	AC/N
3	AC/L

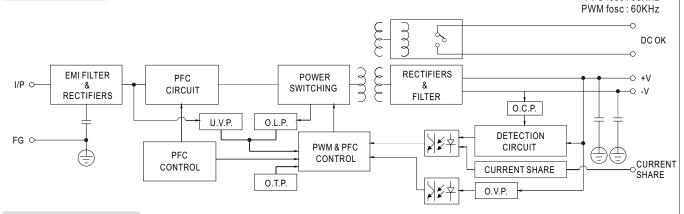
Terminal Pin No. Assignment (TB2)

Pin No.	Assignment	
1,2,3	DC OUTPUT +V	
4,5,6	DC OUTPUT -V	

Control Pin (CN205): DINKLE ECH250R-04P or equivalent

Pin No.	Assignment	Mating Housing	Wire Diameter
1	P-(Current Share)	DINKLE ESC250V-04P	0.081~0.517mm ²
2	P+(Current Share)	or equivalent (Including in the	(28~20AWG)
3,4	DC OK Relay Contact		(20 20/1110)

■ 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.

PFC fosc: 65KHz



■ Peak Loading (2) (1) 1248W 1248W 960W 480W 15 sec. 3 sec. 50 sec. 3 sec. ■ Derating Curve ■ Output derating VS input voltage 100 130 90 100 80 80 For 3 sec. (typ.) Continuous 70 60 (%) **GYO** LOAD (%) 60 40 50 20 40 70 (VERTICAL) -30 50 60 180 190 220 230 240 AMBIENT TEMPERATURE (°C) INPUT VOLTAGE (V) 60Hz

■ 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) Difference of output voltages among parallel units should be less than 0.2V.
- (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 4 units is the maximum, please consult the manufacture for other applications.
- (5) The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- (6) When in parallel operation, the minimum output load should be greater than 5% of total output load.
 - (Min. load >5% rated current per unit x number of unit)
- (7) 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 & relays will not turn on.
- (8) Some minor noise may be heard at light load condition under parallel operation.

This is a normal phenomenon and the performance of the PSU will not be influenced.

