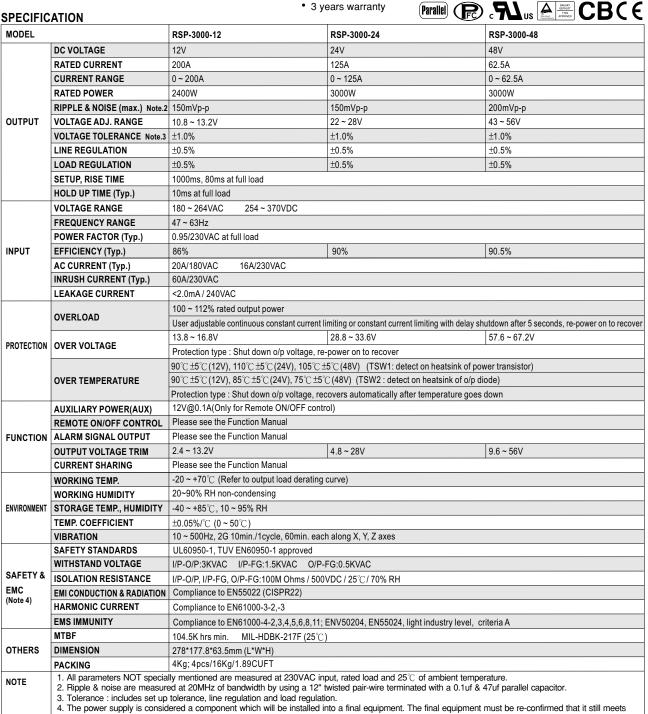




Features :

- AC input 180 ~ 264VAC
- · AC input active surge current limiting
- High efficiency up to 90%
- Built-in active PFC function, PF>0.95
- · Protections: Short circuit / Overload / Over voltage / Over temperature / Fan alarm
- · Forced air cooling by built-in DC with fan speed control function
- Output voltage can be trimmed between 20~110% of the rated output voltage
- High power density 15.6W/inch³
- · Current sharing up to 3 units
- · Alarm signal output (relay contact and TTL signal)
- · Built-in 12V/0.1A auxiliary output for remote control
- Built-in remote ON-OFF control
- · Built-in remote sense function

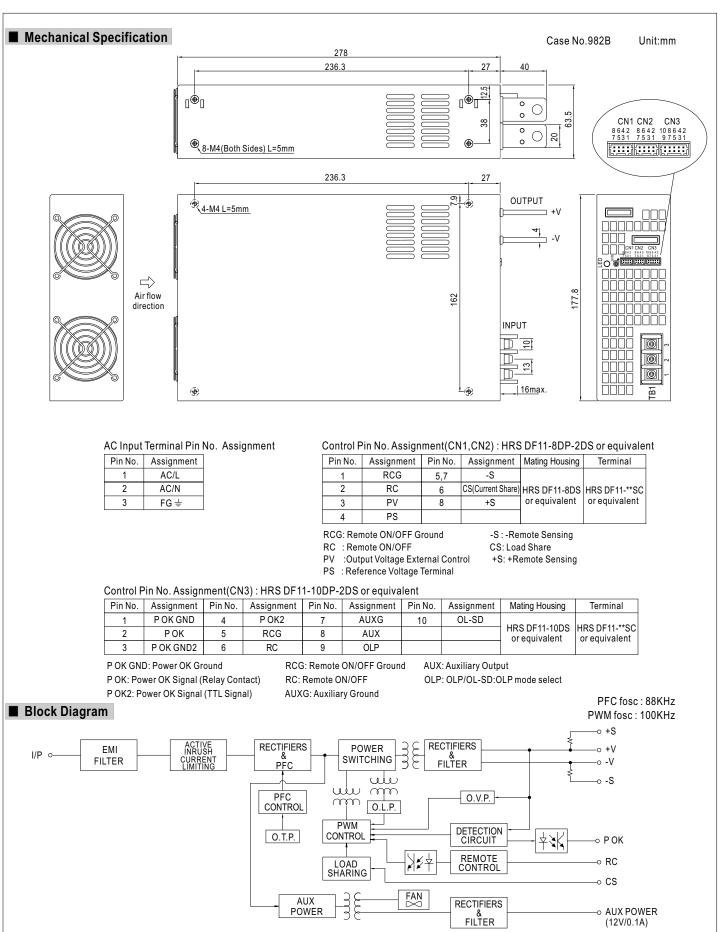


EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies.

(as available on http://www.meanwell.com)



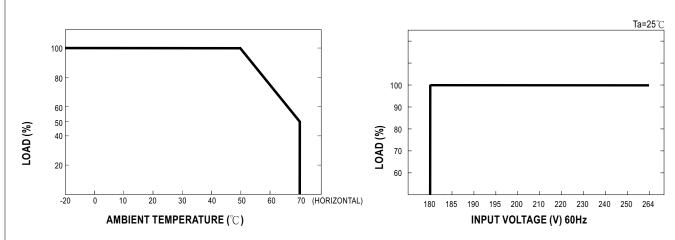
RSP-3000 series





Derating Curve

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.

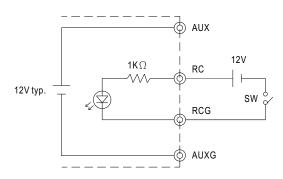
(3)Fig.1.2 shows the example to connect Remote ON/OFF control function.

Table 1.1 Specification of Remote ON/OFF

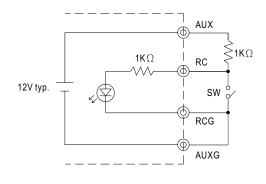
| Connection Method | | Fig. 1.2(A) | Fig. 1.2(B) | Fig. 1.2(C) |
|-------------------|------------|-------------|-------------|-------------|
| SW Logic | Output on | SW Open | SW Open | SW Close |
| | Output off | SW Close | SW Close | SW Open |

Fig.1.2 Examples of connecting remote ON/OFF

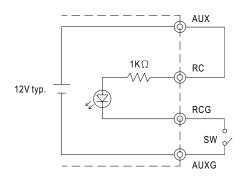
(A)Using external voltage source



(C)Using internal 12V auxiliary output

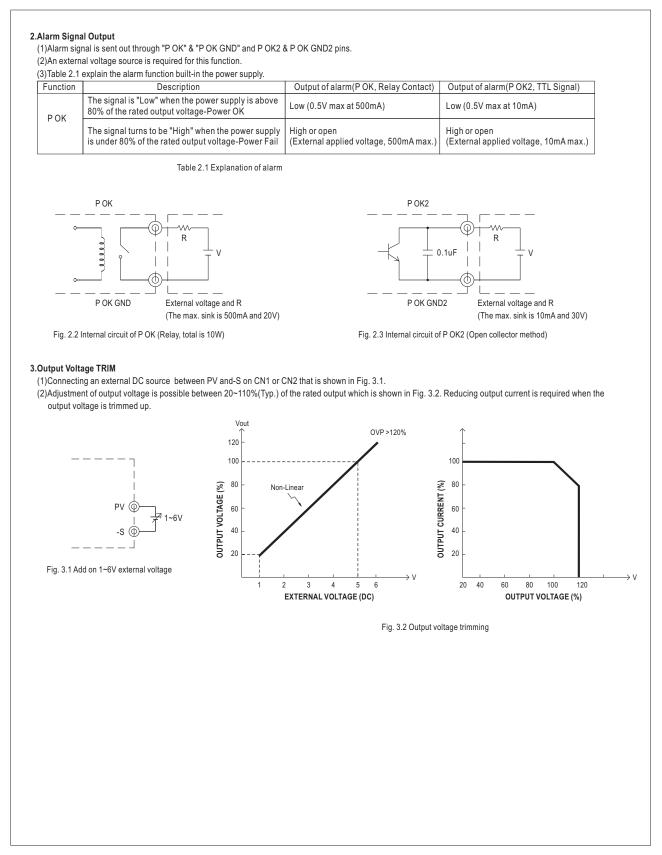


(B)Using internal 12V auxiliary output





RSP-3000 series

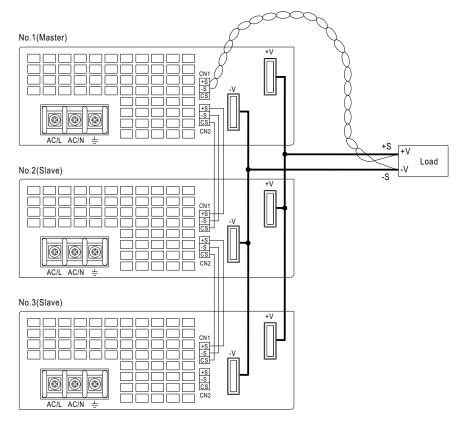


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4.Current Sharing

- (1)Parallel operation is available by connecting the units shown as below (+S,-S and CS 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 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.
- (6) Wires of remote sensing should be kept at least 10 cm from input wires.



(7) When in parallel operation, the minimum output load should be greater than 2% of total output load. (Min. Load >3% rated current per unit×number of unit)

(8) Under parallel operation, the "output voltage trim" function is not available.

5.Select O.L.P mode

(1)Remove the shorting connector on CN3 that is shown in Fig 5.1, the O.L.P. mode will be "continuous constant current limiting".

(2)Insert the shorting connector on CN3 that is shown in Fig 5.2, the O.L.P. mode will be "constant current limiting with delay shutdown after 5 seconds, re-power on to recover.

OL-SD () OL-SD () OLP () OLP ()

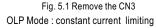




Fig. 5.2 Insert the CN3 OLP Mode : constant current limiting with delay shutdown after 5 seconds



6.Three Phase Connect

