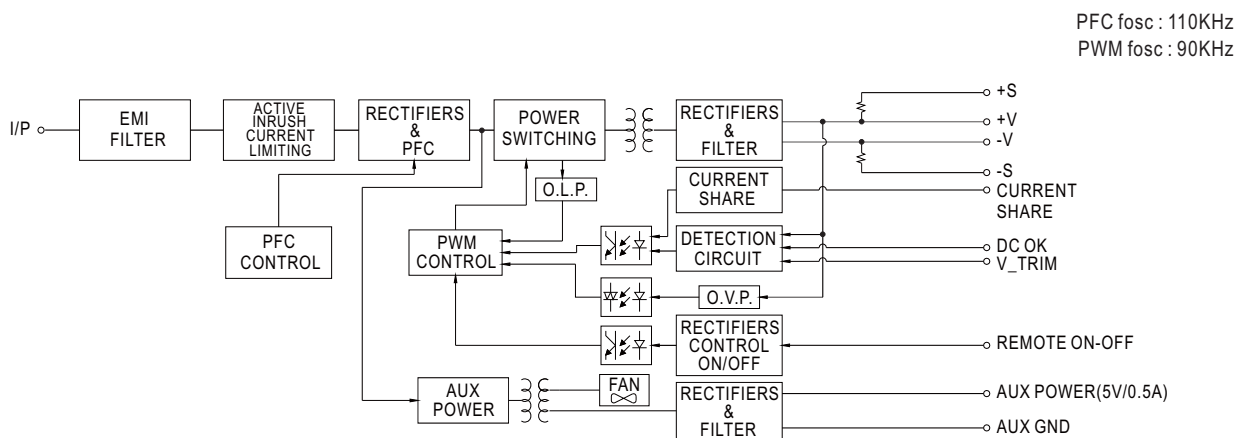
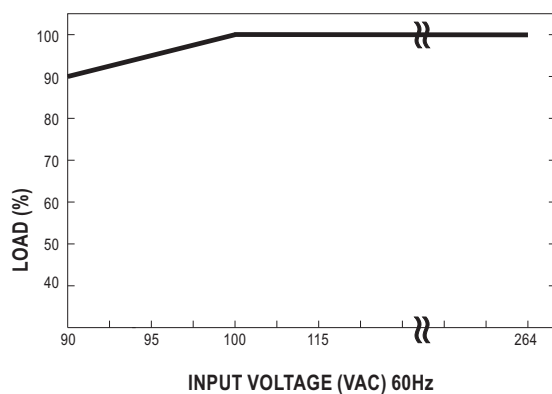


## Block Diagram

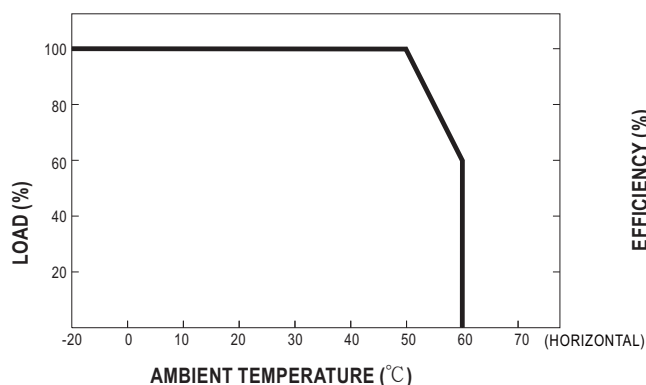


## Static Characteristics

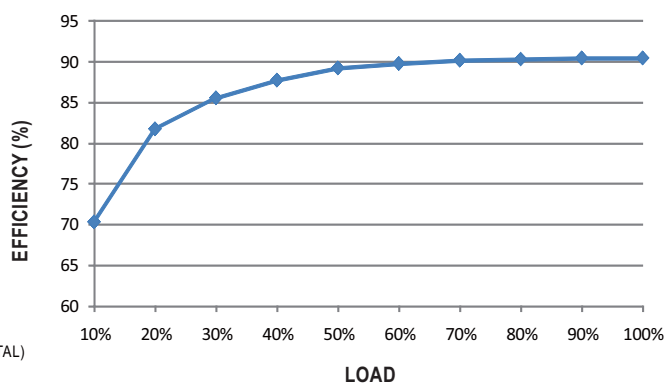


| MODEL      | 12V         | 15V         | 24V         | 27V             | 48V             |
|------------|-------------|-------------|-------------|-----------------|-----------------|
| 100~264VAC | 720W<br>60A | 750W<br>50A | 960W<br>40A | 999W<br>37A     | 1008W<br>21A    |
| 90VAC      | 648W<br>54A | 675W<br>45A | 864W<br>36A | 899.1W<br>33.3A | 907.2W<br>18.9A |

## Derating Curve



## Efficiency vs Load (48V Model)

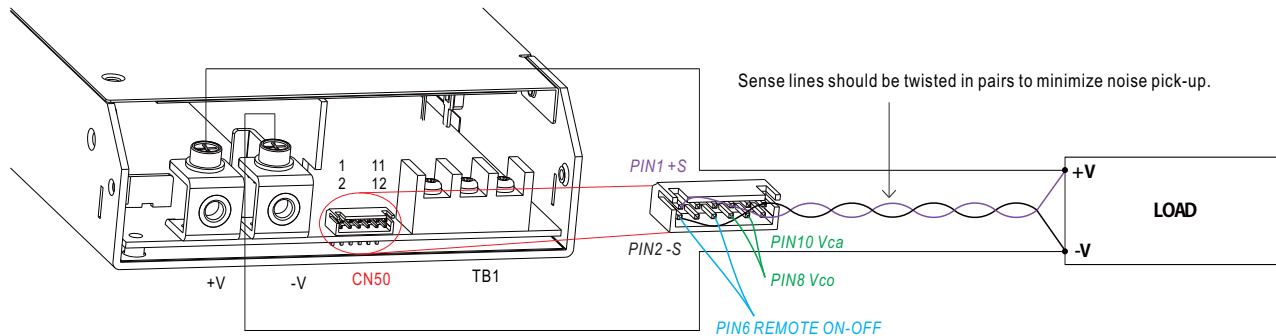


※ The curve above is measured at 230VAC.

## Function Manual

### 1.Remote Sense

※ The Remote Sense compensates voltage drop on the load wiring up to 0.5V



- ◎ The +S signal should be connected to the positive terminal of the load whereas -S signal to the negative terminal.
- ◎ This configuration is based on the assumption the Output Voltage Programming is not activated and power supply is ON.

Fig 1.1

### 2.Remote ON-OFF Control

※ The power supply can be turned ON-OFF individually or along with other units by using the "Remote ON-OFF" function.

| Between Remote ON-OFF (pin6) and -S(pin2) | Power Supply Status |
|-------------------------------------------|---------------------|
| Switch Short                              | ON                  |
| Switch Open                               | OFF                 |

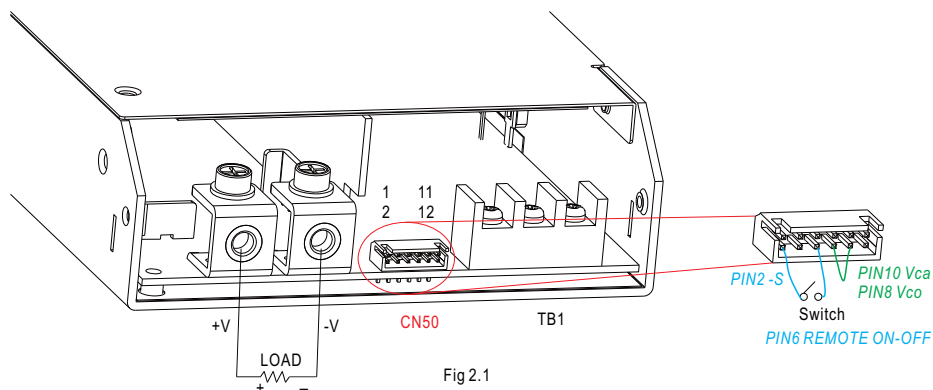


Fig 2.1

- ◎ The power supply is shipped, by factory default, with Remote ON-OFF(pin6) and -S(pin2) shorted by connector.
- ◎ When multiple power supplies need to turn ON/OFF simultaneously by Remote ON-OFF control, -S & -V, as well as +S & +V, on each power supply should be connected.

### 3.DC\_OK signal

※ "DC\_OK" is an open collector signal. It indicates the output status of the power supply. It can operate in two ways : One is sinking current from external TTL signal ; the other is sending out a TTL voltage signal.

◎ **Sinking current from external TTL signal:** The maximum sink current is 10mA and the maximum external voltage is 5.6V.

◎ **Sending out TTL voltage signal :**

| Between DC- OK(pin5) and GND(pin11&12) | Output Status |
|----------------------------------------|---------------|
| 0 ~ 1V                                 | ON            |
| 3.3 ~ 5.6V                             | OFF           |

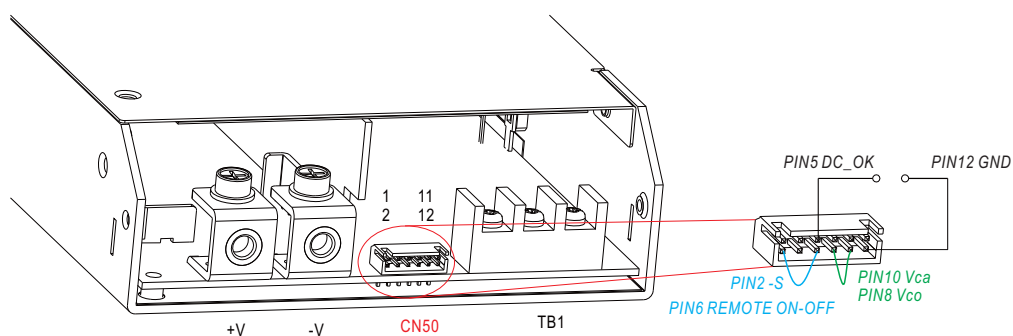


Fig 3.1