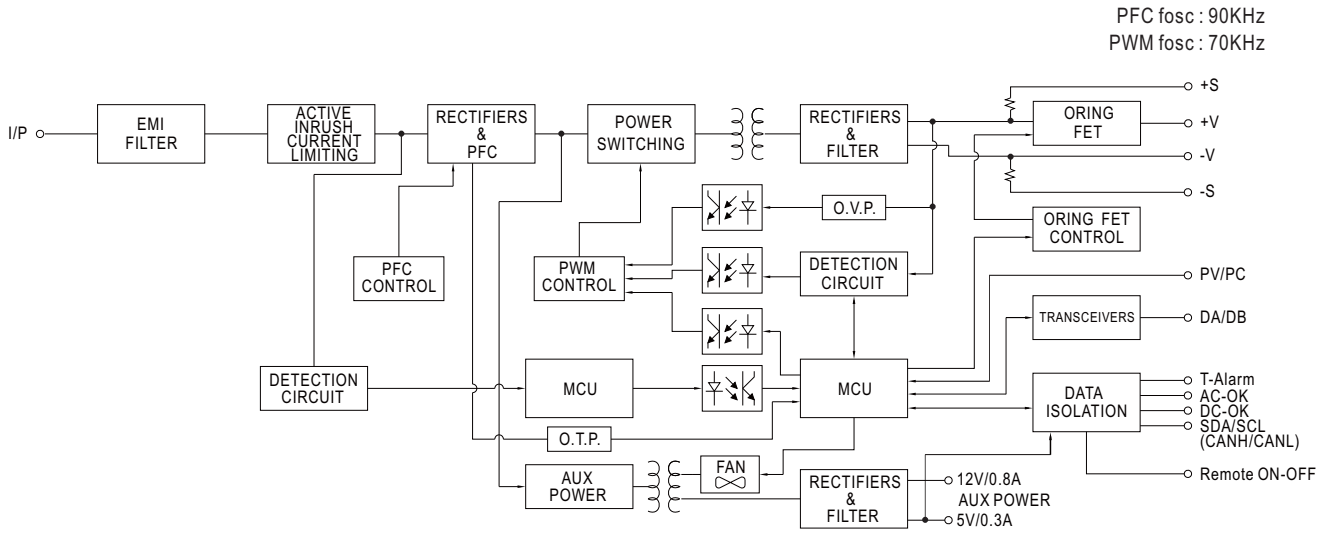
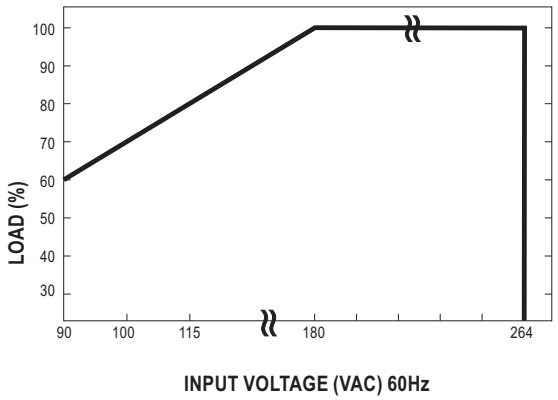
## ■ Block Diagram



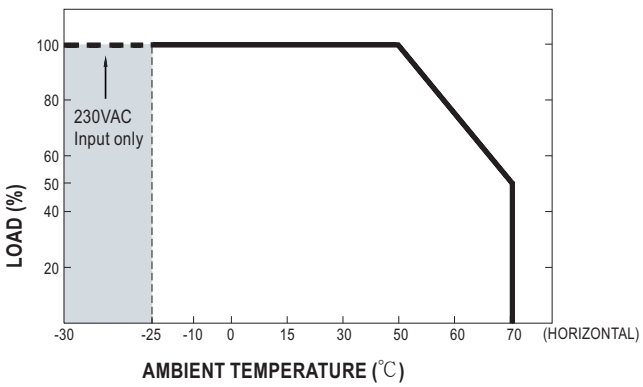

## ■ Static Characteristics



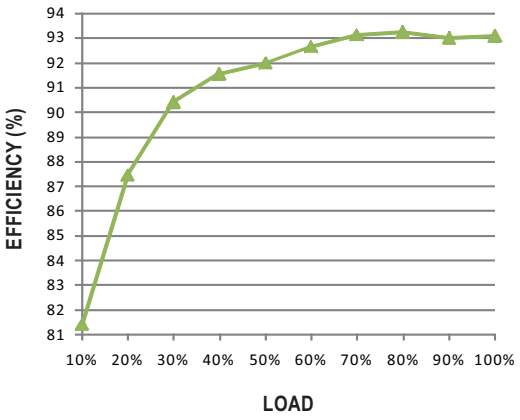

## ■ Derating Loads vs Input Voltage

| INPUT \ MODEL | 12V | 24V | 48V |
|---|---|---|---|
| 180~264VAC | 1500W<br>125A | 1608W<br>67A | 1608W<br>33.5A |
| 115VAC | 1200W<br>100A | 1286.4W<br>53.6A | 1286.4W<br>26.8A |
| 100VAC | 1050W<br>87.5A | 1125.6W<br>46.9A | 1125.6W<br>23.45A |
| 90VAC | 900W<br>75A | 964.8W<br>40.2A | 964.8W<br>20.1A |

## ■ Derating Curve




## ■ Efficiency vs Load (48V Model)



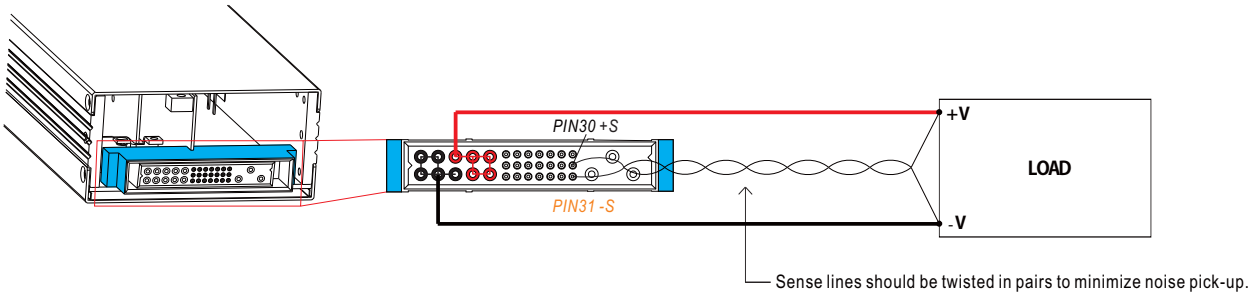

◎ The curve above is measured at 230VAC.

## ■ Function Manual

### 1. Voltage Drop Compensation

1.1 Remote Sense

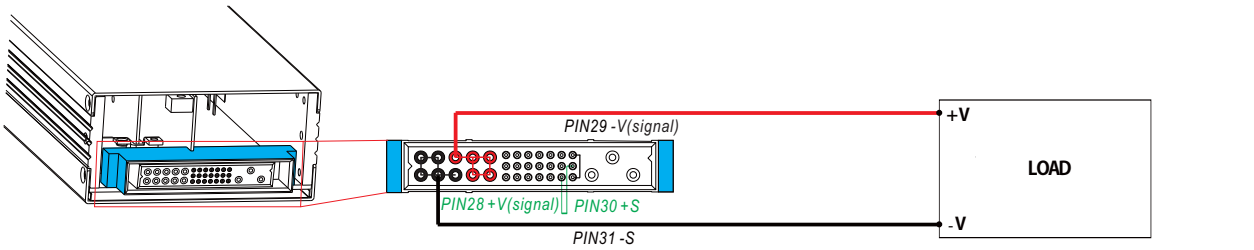
※ The Remote Sense compensates voltage drop on the load wiring up to 0.5V




◎ The +S signal should be connected to the positive terminal of the load whereas -S signal to the negative terminal.

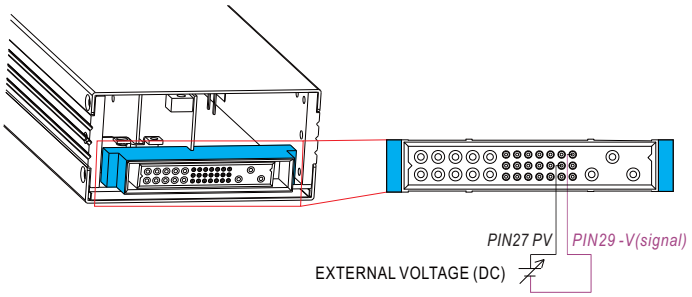
1.2 Local Sense

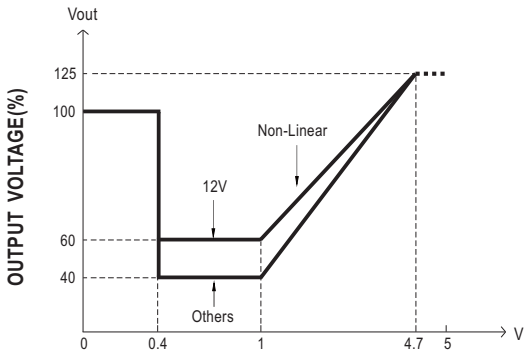
※ The +S,-S have to be connected to the +V(signal),-V(signal), respectively, as the following diagram, in order to get the correct output voltage if Remote Sense is not used.



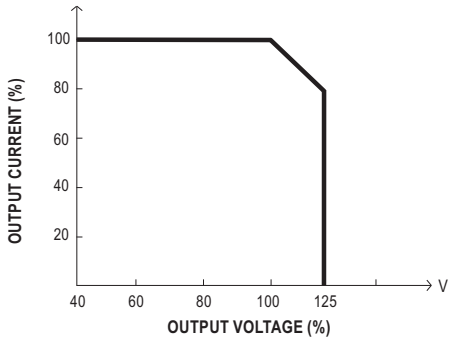

### 2. Output Voltage Programming (or, PV / remote voltage programming / remote adjust / margin programming / dynamic voltage trim)

※ In addition to the adjustment via the built-in potentiometer, the output voltage can be trimmed to 40~125% of the nominal voltage by applying EXTERNAL VOLTAGE.




EXTERNAL VOLTAGE (DC)




◎ The rated current should change with the Output Voltage Programming accordingly.

◎ For Remote Sense / Local Sense, please refer to “Voltage Drop Compensation” section.