

# PAF600F24 SERIES

## Instruction Manual

### ■ Before using this product

Be sure to take note of precautions and warnings indicated in this manual when using this product. Improper usage may lead to electric shock or fire. Be sure to read this instruction manual thoroughly before using this product

### ■ Precautions

- Avoid touching the baseplate and the case of this product because they get hot.
- There are high voltage and high temperature components within this product. Refrain from disassembling this product or touching its internal components as this may lead to electric shock or burn.
- To avoid unexpected accid from placing hands or face near the unit during operation.
- Verify that connection to input, output ents, refrain and signal terminals are correct as indicated in this instruction manual.
- For acquisition of various Safety Standards and safety improvement, be sure to use an external fuse. This product is designed for installation on electronic equipment.
- For input terminals of 24 V input models, apply an voltage from a primary source with reinforced or double insulation.
- Output voltage of this product is considered to have hazardous energy level (voltage of 2V and above with power of 240W and above) and must not have physical contact with operator. Protection must be provided on this module when installed on equipment to prevent physical contact with service technician himself or accidentally dropped tools during repair. Before repair, be sure to turn off the input source and confirm that input and output voltage have drop down to a safe level.
- Application circuit or component values described in this instruction manual are for reference only. When designing circuit, be sure to verify actual circuit operation before determining final application circuit or component values. Contents of this instruction manual are subject to change without notice. When using this product, please refer to latest data sheet to satisfy this product specification.
- No part of this instruction manual may be reproduced, or transmitted in any form or by any other means without prior consent of Densai-Lambda, K.K.

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# PAF600F24-SERIES

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※ Please refer to PAF500F24 instruction manual for other specifications.

# PAF600F24-SERIES

## ■ Explanations on Specifications:

### 1. Input Voltage Range

Input voltage range for PAF600F24 Series is indicated below.

#### Input Voltage Range :

**PAF600F24-12 20~36VDC**

**PAF600F24-28 19~36VDC**

### 2. Output Voltage Adjustment Range

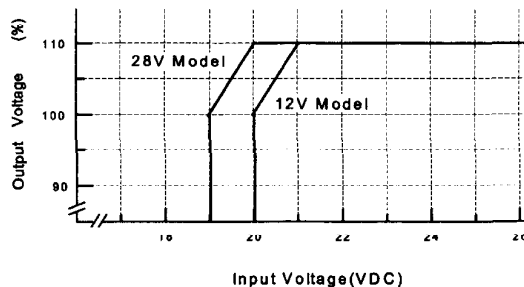
Output voltage could be adjusted within the range described below by external resistor or variable resistor, or by applying external voltage. However, take note that OVP might trigger when output voltage adjustment exceeds the ranges indicated below.

#### **Output Voltage Adjustment Range** **-40%~ +10% of Nominal Output Voltage**

Furthermore, when increasing the output voltage reduce the output current so as not to exceed the maximum output power.

Also, take note that when output voltage is increased, input voltage range is limited as shown in Fig. 2-1.

With the external circuit below, remote sensing is possible even when output voltage is varied.



**Fig.2-1 Limit of Input Voltage**