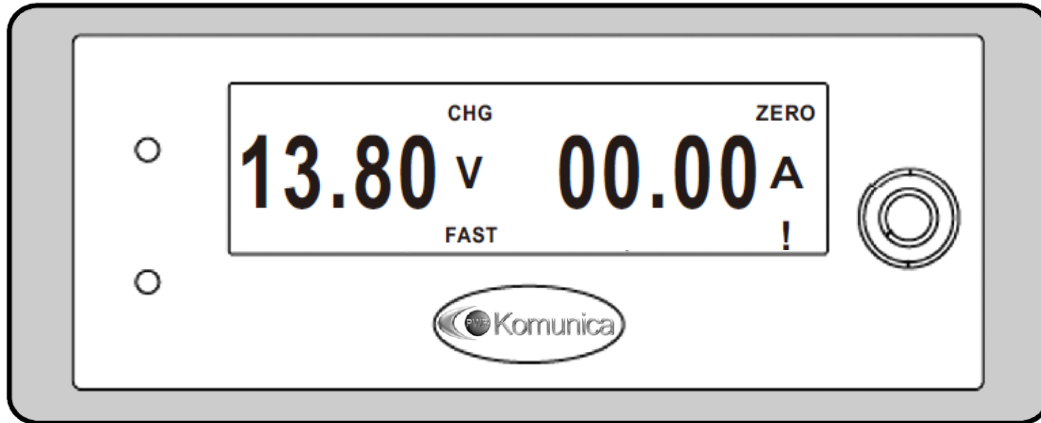




AV-800-DP SERIES FULL DIGITAL SWITCHING POWER SUPPLY



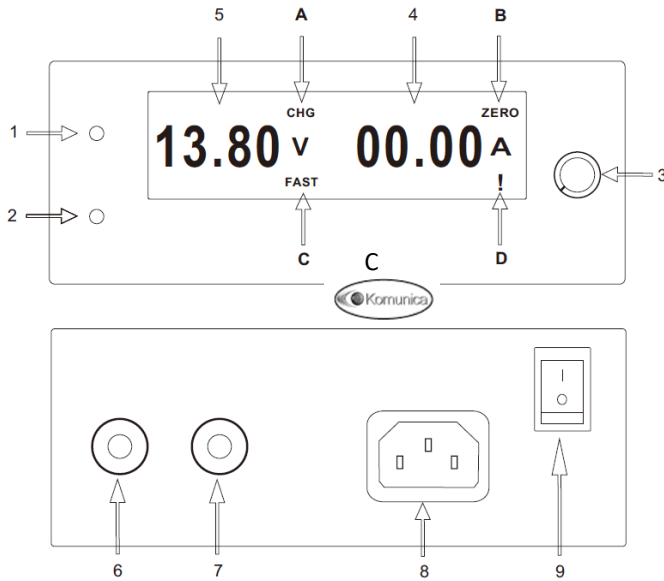
Instruction

AV-800-DP series is lightweight, high performance, high efficiency, durable, switching power supply and with highly visible back light, easy to read dual meters.

Specification

Input Voltage:	AC 90~125 or AC 200~240 inside selectable
Output Voltage:	DC 0.5V~16V (AV-815-DP/ AV-825-DP / AV-830-DP) DC 0.5V~25V (AV-815-DPZ / AV-825-DPZ / AV-830-DPZ)
Output Voltage increment:	0.008V/STEP
Output Voltage Regulation:	Less than 1%
Ripple:	Less than 9m Vp-p at rated load
Protection:	<ol style="list-style-type: none"> 1) Short protection: it will reduce the output voltage down to 0.1v Amps down to 0.4Amps and the warning led will light up when short condition remove it will automatically restart the power supply to normal condition. 2) Overload protection: same as above 3) Over voltage protection (if over Dc16V): same as above 4) Over temperature protection: AV-800-DP series has two stage over temperature protection function.
Output current:	AV-815-DP: Max 15 Amps continuous 13 Amps AV-815-DPZ: Max 10 Amps continuous 8 Amps AV-825DP: Max 25 Amps continuous 22 Amps AV-825-DPZ: Max 14 Amps continuous 12 Amps AV-830-DP: Max 30 Amps continuous 25 Amps AV-830-DPZ: Max 17Amps continuous 15 Amp
LCD Voltage Resolution:	0.01V
LCD Ampere Resolution:	0.01A
Dimension:	165(D)X147(W)55(H)mm
Weight	AV-815-DP/DPZ (1.0kg) – AV-825-DP/DPZ (1.2kg) – AV-830-DP/DPZ (1.3kg)

Function Description



- 1 Power indicator:** Light up when the unit turn on.
- 2 Warning indicator:** Light up when output terminal short or overload, over voltage (preset 16Dcv), component over hot.
- 3 Multifunction Voltage Adjust Knob:**
 - a: Turn clockwise increment 0.008V/STEP
 - b: Push "FAST" indicator light up.
- Turn clockwise increment 0.100V/STEP
- c: Click 4 times in 4 seconds LCD "ZERO" indicator light up it will zero ampere reading.
- d: Push and hold 5 second "V" indicator will flash this will actively output voltage control lock or unlock.
- 4 Amps indicator meter:** Display the output current when connect any device.
- 5 Voltage indicator meters:** Display the output voltage.
- 6 Output terminals:** Negative polar of DC output
- 7 Output terminals:** Positive polar of DC output
- 8 Ac input socket:** AC 90v~120v or AC 200v~240v
- 9 Power switches:** Turn the unit on or off.

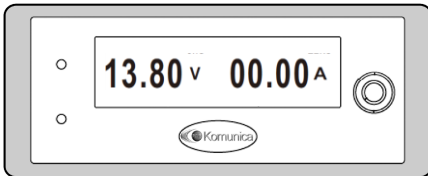
Display Details:

- A.CHG:** Charge model indicator (Only the model has this function, will display it)
- B. ZERO:** Rest ampere reading to zero indicator.
- C. FAST:** Output Voltage control 20-time fast indicator
- D. Warning indicator (!)**

Caution

1. This power supply is natively ground, always use the AC outlet with ground terminal.
2. Before replacing a fuse make sure you have unplugged the Ac plug and never use unproperly fuse value.
3. Do not block the air convention slits to keep the efficient heat radiation.

Multifunction Voltage adjust knob



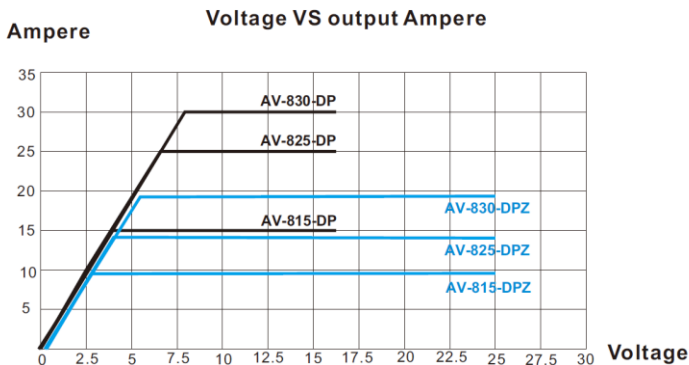
Normal condition voltage increments 0.008V/STEP.



Push and release immediately
Fast indicators light up
In this condition voltage increment become 0.1V/STEP
It is about 20 time fast than normal condition
If in 10 seconds no input "fast" will disable.



Push and hold 3 seconds "ZERO" indicator will light up
It will reset ampere reading to zero.



Remark : All model 1V~6V maximum ampere limit at 16A

Excepted errors and omissions (E&OE)

