

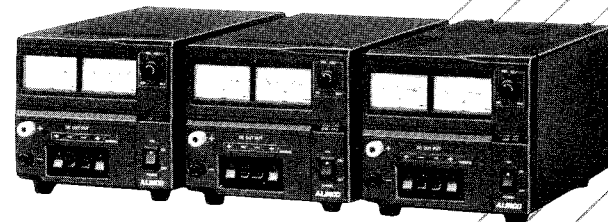
ALINCO

DC POWER SUPPLY
DM-112MV DM-120MV
DM-130MV

INSTRUCTION MANUAL

ALINCO ELECTRONICS INC.

1-1-1 Mishimae, Takatsuki city, Osaka 569, Japan



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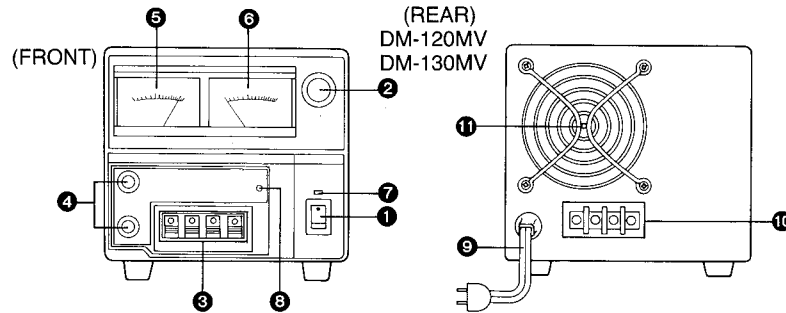
■ Introduction

The Alinco DM-112MV/DM-120MV/DM-130MV are designed and built to give years of solid, carefree service.

The DM-112MV/DM-120MV/DM-130MV have over-current cut-off circuits providing D.C. Protection. Then new compact size makes this the stoutest power supply, in the smallest package, available.

Another Tiny, Tough, and Terrific product brought to you by the people who care, Alinco.

■ Control Functions



- ❶ Power on/off switch.
- ❷ Variable voltage control: Voltage can be adjusted from 3 to 15 V DC.
- ❸ Output terminals: Quick connect terminals-maximum 7 amps.
- ❹ Output terminals: Threaded terminals.
- ❺ Voltage meter: Shows output voltage.
- ❻ Amperage meter: Shows current being drawn by equipment in use.
- ❼ Power on LED: Lights when power switch is on.
- ❽ Warning LED: Discontinue use and check equipment if LED lights.
- ❾ AC Power Cord
- ❿ Output terminals
- ⓫ Cooling fan (DM-120MV, DM-130MV)

■ Specifications and Features

Input Voltage: 220 V A.C. 50/60 Hz: DM-112MVZ, DM-120MVZ, DM-130MVZ
110 V A.C. 50/60 Hz: DM-112MVT, DM-120MVT, DM-130MVT

Output Voltage: Rated 13.8 V (3~15 V adjustable)
Output Current: DM-112MV

10 A D.C. (50% Duty Cycle)
12 A D.C. (Maximum)

DM-120MV
20 A D.C. (50% Duty Cycle)
22 A D.C. (Maximum)

DM-130MV
25 A D.C. (50% Duty Cycle)
32 A D.C. (Maximum)

Output Voltage Regulation: Under 2%
Ripple Voltage: Under 30 mV

Rated Capacity: DM-112MVZ: 310 VA DM-112MVT: 280 VA
DM-120MVZ: 540 VA DM-120MVT: 540 VA
DM-130MVZ: 690 VA DM-130MVT: 730 VA

Circuit Protection System: Automatic Current shut down, if it exceeds 12 A (DM-112MV) or 22 A (DM-120MV) or 32 A (DM-130MV)

Warning Indicator: When output voltage exceeds 18 V, this indicator is lit.

Fuse: 3 A (DM-112MVZ)
4 A (DM-120MVZ)
5 A (DM-130MVZ)
6 A (DM-112MVT)
8 A (DM-120MVT)
10 A (DM-130MVT)

Dimensions (W×H×D): 150 mm×141 mm×292 mm

Weight: 6.1 kgs (DM-112MV)
5.9 kgs (DM-120MV)
6.8 kgs (DM-130MV)