

MOP SERIES

DC/DC Single Output: 100 - 150 Watts



Features

- DC input 12V, 24, 48,72,110V.
- Regulated and isolated output.
- Thermal protection.
- N+1 redundancy option (for systems only).
- Suitable for special multi output configurations.

The MOP series converters are high density, low cost units designed for space critical applications. We can offer special input-output configurations as well as complex multi output systems based on the MOP series. These units are available in a semi enclosed package with a chassis mount heat sink extrusion or a complete vented case package. Ask for MOF208 and MOF306 spec's for dual-triple output (75-120 watt modules).

MODEL	Input	Output		Power W
		V	A	
MOP115 - 24S05C	24V	5V	25A	125W
MOP115 - 24S12C	24V	12V	12.5A	150W
MOP115 - 24S15C	24V	15V	10A	150W
MOP115 - 24S24C	24V	24V	6.2A	150W
MOP115 - 24S48C	24V	48V	3.2A	150W
MOP115 - 48S05C	48V	5V	25A	125W
MOP115 - 48S12C	48V	12V	12.5A	150W
MOP115 - 48S15C	48V	15V	10A	150W
MOP115 - 48S24C	48V	24V	6.2A	150W
MOP115 - 48S48C	48V	48V	3.2A	150W
MOP115 - 72S05C	72V	5V	25A	125W
MOP115 - 72S12C	72V	12V	12.5A	150W
MOP115 - 72S15C	72V	15V	10A	150W
MOP115 - 72S24C	72V	24V	6.2A	150W
MOP115 - 72S48C	72V	48V	3.2A	150W
MOP115 - 110S05C	110V	5V	25A	125W
MOP115 - 110S12C	110V	12V	12.5A	150W
MOP115 - 110S15C	110V	15V	10A	150W
MOP115 - 110S24C	110V	24V	6.2A	150W
MOP115 - 110S48C	110V	48V	3.2A	150W

Specifications

- INPUT VOLTAGE:** 12 VDC (11-16) @75% power
24 VDC (21-29)
48 VDC (42-60)
72 VDC (60-85)
110 VDC (95-140)
*We can also supply special input voltage to customer specifications.
- EFFICIENCY:** Typically 80% depending on input.
- OUTPUT VOLTAGE:** Any DC voltage to 60V;
maximum output current 25A
- OUTPUT POWER:** 75 watts for 12 VDC input,
150 watts for 24-110 VDC input
- REMOTE SENSE:** Standard on 5V output,
optional for other outputs
- OUTPUT VOLTAGE ADJ:** ±10%. V out.
- CURRENT LIMIT:** Set @ 105-120% of rating.
- LOAD REGULATION:** ±1% at nominal input.
- LINE REGULATION:** ± 0.5% over specified input range.
- ISOLATION:** Input - output 500 VDC (2250V optional).
- OPERATING TEMP:** 0° to 50°C at rated load.
Derate 2.5% per °C from 50°-70°C.
- HUMIDITY:** 5 - 95% non-condensing. Conformal coating optional for "Fungus Resistance".
- TEMPERATURE DRIFT:** 0.03% per °C.
- EMC:** EN55022 Level A
- PROTECTION:** * Reverse input polarity.
* Overvoltage protection.
* Short circuit protection.
* Thermal protection.
- RIPPLE & NOISE:** Typically 1% of V out.
- COOLING:** Free air convection.
- VIBRATION/SHOCK:** Operating 10-55HZ 2G 3 min. period over 60 min. 20G
- WEIGHT:** 0.5Kg.
- DIMENSIONS :** 239 x 80 x 52mm with terminal block and vented cover Type "C".
F2 - E Package - optional

