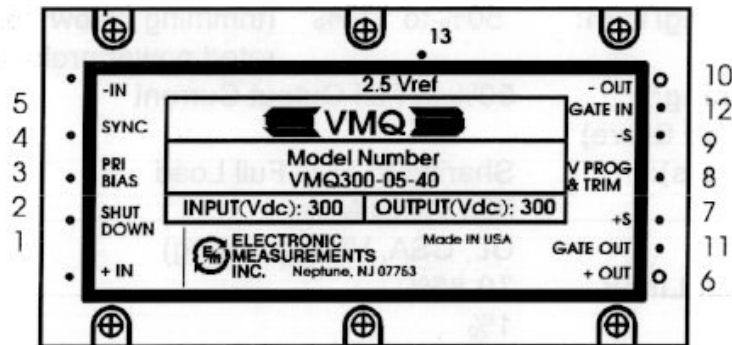


VMQ

DC-DC Converter



- 36 W/Cu In Power Density
- 250 KHz Fixed Frequency Forward Converter
- Synchronization
- Wide Input Range
- Wide Output Range
- Input to Output Isolation

The VMQ series converter is a programmable constant voltage, constant current DC-DC Converter. The VMQ modules converts the unregulated bulk input source to precisely regulated output voltage and current sources.

Model Number	Input Voltage	Output Voltage	Output Current
VMQ 300-5-40	300 VDC	5 VDC	40 Amps
VMQ 300-28-5	300 VDC	28 VDC	5 Amps
VMQ 300-48-4	300 VDC	48 VDC	4 Amps
VMQ 48-5-40	48 VDC	5 VDC	40 Amps
VMQ 48-48-4	48 VDC	48 VDC	4 Amps



405 Essex Road
Neptune, NJ 07753
Phone: 732-922-9300
Fax: 732-922-9334



**ALE
SYSTEMS**

Specifications

Voltage Programming/Trim:	50% to 110% (trimming below 75% will require 1% rated power preload)
Current Programming:	50% to Full Output Current
Parallel (Master and Slave) (N+1 Using 2 Masters):	Sharing to 15% Full Load
Output Power:	200 Watts Max.
Agency Approvals:	UL, CSA, VDE (pending)
Efficiency (Nominal Line):	70-85%
Voltage Accuracy:	1%
Load Regulation:	0.5%
Line Regulation:	0.5%
Output Temperature Drift:	0.2%/°C
P-P Output Noise and Ripple:	3% (contact factory for measurement method)
Switching Frequency:	250KHz $\pm$ 10%
Remote Sense:	0.5VDC
Current Limit (Constant I):	Full Load to 120%
Transient Response (50-100%):	500 μ S
Overvoltage Protection:	115-125%
Operational Temperature:	0-85°C
Storage Temperature:	-40 to 100°C
Thermal Shutdown:	105°C MAX.
Isolation:	12 to 48 Vin 1500VDC Nominal 150 to 300 Vin 4300VDC Nominal

