Power Module Family

MPS’ power modules have a wide range of $V_{IN}$ and $I_{OUT}$ with a variety of packages. Our extensive portfolio of DC/DC modules integrate inductors, FETs, compensation and other passive components into a single package to simplify the design process. Choose what module works best for your design based on our beneficial features. Visit MonolithicPower.com for more information.

Small Size & Ease of Use

- **MPM3515**
  - 4V to 36V $V_{IN}$
  - 0.8V to 30.6V $V_{OUT}$
  - Continuous 1.5A Output
  - Ext clock synchronization

- **MPM3683-7**
  - 2.7V to 16V $V_{IN}$
  - 0.6V to 5.5V $V_{OUT}$
  - Max 8A continuous output
  - Fast transient response
  - Non-latch OCP, OVP, UVP

- **MPM3570E**
  - 4.5V to 75V $V_{IN}$
  - 1V to 12V $V_{OUT}$
  - Max 0.3A
  - Enhanced light-load efficiency
  - Ultra-low EMI noise

- **MPM38222**
  - 2.7V to 6V $V_{IN}$
  - Dual output, max 2A
  - Enhanced light-load efficiency
  - Individual EN pins
  - Pin-to-pin with dual 1A MPM38111

Low EMI

- **MPM3515**
  - Meet EN55022 Class B EMI standard

- **MPM3683-7**
  - Minimal external components
  - Easy layout
  - Fast design cycle

- **MPM3570E**
  - I2C & MTP
  - Graphic user interface available

Scalability & Programmability

- **MPM3515**
  - Scalability & Programmability
  - Low EMI
  - Minimal external components

- **MPM3683-7**
  - System Manager
    - Control
      - Input: 3.3V-16V
      - Output: Up to 200A 0.5V-5.5V
    - Programmable
      - Frequency
      - Protected modes
      - Diagnostics

- **MPM3570E**
  - Enhanced light-load efficiency
  - Ultra-low EMI noise

- **MPM3683-7**
  - Enhanced light-load efficiency
  - Individual EN pins
  - Pin-to-pin with dual 1A MPM38111

- **MPM38222**
  - Individual EN pins
  - Pin-to-pin with dual 1A MPM38111
Power Module Family

Power Module Solutions for FPGA

EVREF0103A for Kintex/Zynq Ultrascale+

Complete FPGA reference designs available at MonolithicPower.com