

DC/DC Converters

XPiQ inc.

Intelligent Design Quality Product



65 Watts
PD65 Series



- Low Cost
- 100% Burn-In
- Small Size, Light Weight
- Three Wide Input Voltage Ranges
10-30 VDC, 20-60 VDC, 30-90 VDC
- Overvoltage Protection
- Overcurrent Protection

Specification

All specifications typical at nominal line, full load and 25°C

Input

- Input Voltage*
- 10 to 30 VDC (PD65 "L" series)
 - 20 to 60 VDC (PD65 "M" series)
 - 30 to 90 VDC (PD65 "H" series)
- Input Current*
- 4.1A (rms) for 24 VDC
 - 2.1A (rms) for 48 VDC
 - 1.5A (rms) for 72 VDC

Output

- Output Voltage/Current*
- See rating chart
- Ripple*
- 1% peak to peak maximum
- Overvoltage Protection*
- Provided on output #1 only, set at 112-132% of its nominal output voltage
- Overcurrent Protection:*
- All outputs protected in short circuit conditions
- Temperature Coefficient:*
- All outputs $\pm 0.04\%/^{\circ}\text{C}$ maximum

General

- Efficiency*
- 65% - 80%
- Hold-up time*
- 10 msec
- Line Regulation*
- $\pm 0.5\%$ max.
- Isolation Voltage*
- 1000 VDC from input to output

Environmental

- Operating Temperature*
- 0°C to +70°C*
- Storage Temperature*
- -40°C to +85°C
- MTBF*
- 100,000 hours
- Weight*
- 380 grams - PCB
 - 640 grams - enclosed

* Derate linearly from 100% load at 50°C to 50% load at 70°C



