

XD30 Series DC/DC Converter 30W



- Power rating = 30W
- 4 Output voltages: 3.3V 5V 12V 24V
- Compact low profile
- Wide input voltage window
- Full input output protection
- High isolation voltage
- Semi Encapsulated
- Wide operating temperature range



Model Selection Table

Model Number	Description
XD30-24-3.3	DC/DC Converter Input: 9-36VDC Output: 3.3V 6A 20W Chassis Mount
XD30-24-05	DC/DC Converter Input: 9-36VDC Output: 5V 6A 30W Chassis Mount
XD30-24-12	DC/DC Converter Input: 9-36VDC Output: 12V 2.5A 30W Chassis Mount
XD30-24-24	DC/DC Converter Input: 9-36VDC Output: 24V 1.25A 30W Chassis Mount
XD30-48-3.3	DC/DC Converter Input: 18-72VDC Output: 3.3V 6A 20W Chassis Mount
XD30-48-05	DC/DC Converter Input: 18-72VDC Output: 5V 6A 30W Chassis Mount
XD30-48-12	DC/DC Converter Input: 18-72VDC Output: 12V 2.5A 30W Chassis Mount
XD30-48-24	DC/DC Converter Input: 18-72VDC Output: 24V 1.25A 30W Chassis Mount
XD30-110-3.3	DC/DC Converter Input: 40-160VDC Output: 3.3V 6A 20W Chassis Mount
XD30-110-05	DC/DC Converter Input: 40-160VDC Output: 5V 6A 30W Chassis Mount
XD30-110-12	DC/DC Converter Input: 40-160VDC Output: 12V 2.5A 30W Chassis Mount
XD30-110-24	DC/DC Converter Input: 40-160VDC Output: 24V 1.25A 60W Chassis Mount

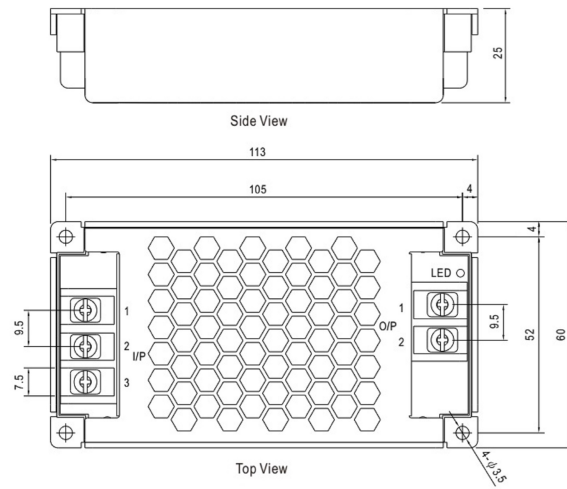
Description

The XD30 series dc/dc converters are designed for operation in a wide range of industrial applications. Three input voltage ranges of 9-36V / 18-72V / 40-160V and 4 output voltages of 3.3VDC 5VDC 12VDC 24VDC. The XD30 has all components encapsulated in silicone. Operating temperature range of -20 to 55°C at full power and up to 70°C with derating.

Specifications

Input Voltage	9-36VDC, 18-72VDC, 40-160VDC
Minimum Load	Zero
Output Voltage	3.3V 12A, 5V 12V, 12V 5A, 24V 2.5A
Output Power	30W
Isolation	Input – Output: Greater than 1500VDC
Input Protection	Reverse polarity, inrush current limitation, Fuse protection
Output Protection	Overload constant current, Overvoltage shutdown
Operating Temp.	Typically -20°C to +55°C full power to 70°C at 50% power rating
Dimensions	113 x 60 x 25 mm 200 ~ 250g
Connector	Screw Terminals
MTBF	> 300,000 hours
EMC Standards Conducted	EN55032 Level B, EN55032 Level B, EN6100-3-2 Level A, EN6100-3 -3
EMC Standards Radiated	EN61000-4-2 Level 3, EN61000-4-3 Level X, EN61000-4-4 Level 3, EN61000-4-5 Level 3, EN61000-4-6 Level 3

Mechanical Diagram



Input Terminal Pin No. Assignment :

Pin No.	Assignment
1	DC INPUT V+
2	DC INPUT V-
3	FG \perp

Output Terminal Pin No. Assignment :

Pin No.	Assignment
1	DC OUTPUT -V
2	DC OUTPUT +V