



samlexamerica®

30A



### Isolated DC-DC Converters

Model  
IDC-360D-12  
30 Amps

### Design Features

- Advanced switch mode design
- Compact and lightweight
- High efficiency
- Galvanic isolation between input and output: suitable for both common / different grounds on input and output and for noise sensitive applications like radios and instrumentation
- Compliance with European standards – CE marked

2 YEAR LIMITED WARRANTY



	<b>MODEL NO.</b>	<b>IDC-360D-12</b>
<b>INPUT</b>	<b>INPUT VOLTAGE RANGE</b>	60 - 120 VDC
	<b>MAXIMUM INPUT CURRENT</b>	< 10A
	<b>NO LOAD CURRENT DRAW</b>	< 25mA
<b>OUTPUT</b>	<b>OUTPUT VOLTAGE</b>	12.5 VDC
	<b>OUTPUT RIPPLE &amp; NOISE</b>	< 50 mV RMS
	<b>MAXIMUM CONTINUOUS OUTPUT CURRENT</b>	30A
	<b>PEAK EFFICIENCY</b>	≥ 85%
	<b>INPUT TO OUTPUT ISOLATION</b>	≥ 400V RMS
<b>COOLING</b>	<b>FAN COOLED</b>	1 temperature controlled fan
<b>PROTECTIONS</b>	<b>SHORT CIRCUIT / OVERLOAD</b>	Yes
	<b>OVER VOLTAGE ON OUTPUT SIDE</b>	Yes
	<b>OVER VOLTAGE / TRANSIENTS ON INPUT SIDE</b>	Yes
	<b>REVERSE POLARITY ON INPUT SIDE</b>	Yes
	<b>OVER TEMPERATURE</b>	Yes
<b>EXTERNAL FUSES</b>	<b>INPUT SIDE FUSE</b>	125V, 10A
	<b>OUTPUT SIDE FUSE</b>	32V, 30A
<b>INPUT / OUTPUT CONNECTIONS</b>	<b>QUICK CONNECT MALE TABS</b>	6.3 mm / ¼" wide blades
<b>ENVIRONMENTAL</b>	<b>OPERATING TEMPERATURE RANGE</b>	-20°C / -4°F to +30°C / 86°F (De-rate output current linearly to 0A at 70°C / 158°F)
	<b>OPERATING HUMIDITY (Non-condensing)</b>	Maximum 95%
<b>COMPLIANCE</b>	<b>EUROPEAN CONFORMITY MARKING</b>	CE Marked
	<b>EMISSIONS</b>	EN50081-1 / EN61000-6-3
	<b>IMMUNITY</b>	EN50082-1 / EN61000-6-1
<b>DIMENSIONS &amp; WEIGHTS</b>	<b>DIMENSIONS, MM (W x D x H)</b>	132.8 x 190.5 x 83
	<b>DIMENSIONS, INCHES (W x D x H)</b>	5.23 x 7.5 x 3.27
	<b>WEIGHT, KG</b>	1.4
	<b>WEIGHT, LB</b>	3.1