



# SAMLEX POWER PRODUCTS



## IDC Series DC-DC Converters



**100 Watts, fully isolated**

### FEATURES

*Fully Isolated  
Short Circuit Protected  
Current Limited  
2 Year Warranty*

### APPLICATIONS

*Earth moving equipment  
Heavy trucks  
Buses  
Marine vehicles  
CB radios  
12 or 24 Volt lighting systems  
AM/FM sound systems*

### TECHNICAL SPECIFICATIONS

Model	IDC-100A-12	IDC-100A-24
Input Voltage Range	9 - 18 VDC	9 - 18 VDC
Output Voltage	12.5 VDC	24.5 VDC
Output Current *	8 A	4 A
Input to output isolation	Yes. > 400 V RMS	Yes. > 400 V RMS
Output ripple & noise	< 50 mV RMS	< 50 mV RMS
Peak efficiency	85%	85%
Operating temperature	- 20° to + 30° C , De-rate linearly to zero at 70° C	
Humidity, non condensing	Max 95%	Max 95%
Protections	Overload / short circuit on the output side Over voltage on the output side Over voltage / transients on the input side Reverse polarity on the input side Over heating	
Fuse Specs		
External Input Side Fuse (Inline with "Input +" Terminal)	32 V, 15 A	32 V, 15 A
External Output Side Fuse (Inline with "Output +" Terminal)	32 V, 10 A	32 V, 5 A
Wire Size		
Input Wire (up to 6 ft)	AWG # 8	AWG # 8
Output Wire (up to 10 ft)	AWG # 10	AWG # 12
Safety & EMC		
Emission	EN50081-1 / EN61000-6-3	
Immunity	EN50082-1 / EN61000-6-1	
Automotive	95/54/EC	
Input/ Output Connections	Quick Connect male 6.3mm / 1/4" flat blade	
Dimensions (L x W x H)	151 x 88 x 50 mm / 5.9" x 3.5" x 1.9"	
Weight	0.5 Kg / 1.2 lb	

\* The output current indicated is the maximum current at the maximum input voltage

Technical Specifications subject to change without notification.

To view a full selection of Samlex products visit our website at [www.samlexamerica.com](http://www.samlexamerica.com)  
or contact us: 1 (800) 561-5885 or (604) 525-3836