

SCADALink PSC-12V

Class I Div 2, DIN Rail Mounted 12V DC-DC Converter



OVERVIEW

The SCADALink PSC-12V is a 10-30V to 12V DC-DC converter designed for industrial applications.

The SCADALink PSC Series is housed in 99mm x 23mm x 116mm DIN-rail mounted package, rated for Class I Div 2 and -40 to 70C operation. It is suitable for industrial and SCADA applications where up to 4A of DC power is required.

The PSC DC-DC converter series also include 24V, 9V, 7.5V, 6V, and 5V output versions, all with the same 10-30VDC input range and 4A output current capability.

SPECIFICATIONS

Input Voltage:	10 to 30 VDC
Output Voltage:	12VDC
Output Current:	4A
Efficiency:	> 85%
Mounting:	35mm DIN-rail
Dimensions:	99mm (L) x 23mm (W) x 116mm (H)
Temperature:	-40 to 70C
Certifications:	Class I Div 2

APPLICATION

The PSC-12V is commonly used to maintain an even 12V output when powering sensitive equipment in applications such as solar power where wide varying input voltages are common. The PSC-12V is often used to convert typical 24VDC industrial power supplies down to 12V for equipment with lower voltage requirements (eg. MDS radios).

The PSC-12V's wide input power range and buck/boost operation makes it ideal for battery powered applications as the full 12V output is maintained even if the input voltage drops to below 10V. Overvoltage conditions typically present when charging batteries are also prevented from affecting the attached devices.