



Design Features

- Low standby current drain - typically 5mA or less
- -40°C to +85°C operating temperature at full current-derated at higher temperatures
- Thermally protected for over temperature conditions
- Short-circuit and overcurrent protected
- Reverse polarity protected
- Overvoltage/low voltage protected
- Stand off up to 100Vdc
- RoHS compliant units available with select Converters and Equalizers
- Loss of ground protected
- EMI/EMC Compliance - Models designed to meet specific customer, SAE, ISO, E mark, CE or military standards
- Operating input voltage range from 9V-96Vdc negative ground
- Shock and vibration resistant
- Environmentally sealed (IP67 equivalent) models available
- Typical efficiency of 94%
- Units can be paralleled for greater output capacity

Pure Reliable Power

Sure Power Industries offers an expanded line of DC-DC Converters and Battery Equalizers from low to high output current capabilities (5 amps to 100 amps). Sure Power is setting the pace when it comes to the growing demands for dual voltage applications

The Sure Power Battery Equalizer maintains battery balance or “equalization” in a predominantly 24V system that requires 12V power. The Sure Power Battery Equalizer can deliver up to 100 amps of continuous 12V current for practically any 12V load ranging from fare boxes, destination boards, two way radios, and transmission controls, to engine controls and lighting. Sure Power DC-DC Converters continue to provide regulated power directly to accessory or main loads. Sure Power offers DC-DC Converters producing up to 40 amps at 24V from a 12V source and up to 100 amps at 12V from a 24V source. Sure Power offers a wide variety of features and multiple levels of protection.

MODEL	VOLTAGE INPUT	VOLTAGE OUTPUT	OUTPUT CURRENT	FUNCTION	DESIGN FEATURES
12010X00	12	24	10	Converter/Equalizer	Switched Output
12025X00	12	24	25	Converter/Equalizer	Switched Output/Available Offset Output
12040X10	12	24	40	Converter/Equalizer	Switched Output w/ Offset Output
12055C0	12	24	55	Converter	12V or 24V Selectable Input
21005C10	24	12	5	Converter	IP 67, RoHS, Switched & Unswitched Output
21010C10	24	12	7.5	Converter	IP 67, RoHS, Switched & Unswitched Output
21012C10	24	12	12	Converter	IP 67, RoHS, Switched & Unswitched Output
21015C10	24	12	15	Converter	IP 67, RoHS, Switched & Unswitched Output
21020C10	24	12	20	Converter	IP 67, RoHS, Switched & Unswitched Output
21030X10	24	12	30	Converter/Equalizer	IP 67, Switched & Unswitched Output
52X04	24	12	40	Converter/Equalizer	High Current Converter/Equalizer
21060X00	24	12	60	Converter/Equalizer	IP 67, High Current Converter/Equalizer
21080X00	24	12	80	Converter/Equalizer	IP 67, High Current Converter/Equalizer
21100X00	24	12	100	Converter/Equalizer	IP 67, High Current Converter/Equalizer
11020C11	9-14	14	20	Voltage Conditioner/Trail Charger	IP 67, Temperature Compensated
11020CL1	9-14	14	20	Trail Charger	Lockouts, IP 67, Temperature Compensated
11050C00	9-14	14	50	Trail Charger	Temperature Compensated
41020C10	28-70	113.5	20	Converter	IP 67, Switched Output/Unswitched 12V Output
71030i	57-124	13.5	30	Converter	Isolated Output/Unswitched 12V Output