



## DC-DC Step Down Converters

Model  
SDC-15  
12 Amps

### Design Features

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- Reverse polarity protection
- High efficiency
- Cycle by cycle current limiting circuit
- Over voltage protection
- Short circuit protection

### Applications

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

## 2 YEAR WARRANTY

| MODEL NO.  |  | SDC-15                  |
|--|--|-------------------------|
| <b>CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE</b> |  |                         |
| OUTPUT   | OUTPUT VOLTAGE                           | 13.8 VDC $\pm$ 0.1 V    |
|  | CONTINUOUS OUTPUT CURRENT                | 12 A                    |
|  | PEAK OUTPUT CURRENT                      | 15 A                    |
|  | CURRENT LIMIT                            | 16 $\pm$ 0.5 A          |
| INPUT  | INPUT CURRENT AT NO LOAD                 | < 150 mA                |
|  | INPUT VOLTAGE                            | 20 - 35 VDC             |
|  | LOAD REGULATION                          | 0.15 V, 26 V, 0 - 12 A  |
|  | EFFICIENCY (at maximum output)           | > 88%                   |
|  | RIPPLE                                   | < 10 mV P-P @ 12 A      |
|  | NOISE                                    | < 40 mV P-P @ 12 A      |
| FUSES  | OPERATING TEMPERATURE RANGE              | 0 - 40° C               |
|  | EXTERNAL INPUT FUSE (at the battery end) | 32 V, 10 A              |
|  | EXTERNAL OUTPUT FUSE                     | 32 V, 15 A              |
|  | PROTECTIONS                              | Overload, short circuit |
| WIRES  | INPUT WIRE SIZE                          | #12 AWG                 |
|  | OUTPUT WIRE                              | #10 AWG                 |
| GENERAL  | DIMENSIONS, MM (L x W x H)               | 60 x 122 x 198          |
|  | DIMENSIONS, INCHES (L x W x H)           | 2.4 x 7.8 x 4.8         |
|  | WEIGHT, KG                               | 0.9                     |
|  | WEIGHT, LB                               | 2                       |