



MODEL 3602

DC-DC BUCK CONVERTER

36V to 12V

Design Features

- Low Input Voltage Cutout
- Compact design
- Convection Cooled
- Electronic Current Limiting
- Common Input/Output Negative Terminal
- Soft start technology

SPECIFICATIONS

INPUT	SYSTEM BATTERY VOLTAGE	24 or 36 VDC
	NOMINAL INPUT VOLTAGE	25.5 VDC
	INPUT VOLTAGE RANGE	22 to 40 (+/- 0.5) VDC
	INPUT CURRENT AT MAX CONTINUOUS POWER	16.5 A @ 25.5 VDC
	INPUT CURRENT AT NO LOAD	0.30 A when converter is in "ON" state @ 25.5 VDC input
OUTPUT	INPUT CURRENT AT NO LOAD	<0.002 A when converter is in "OFF" state
	OUTPUT VOLTAGE	13.6 - 13.8 VDC (factory set, internally adjustable)
	OUTPUT VOLTAGE REGULATION	< 80 mV, NL to Full Load
	RATED MAX OUTPUT CURRENT	30 A
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	400 W
	OUTPUT RIPPLE & NOISE	<50 mV RMS
PROTECTIONS	EFFICIENCY AT MAX CURRENT (30A)	92%
	LOW INPUT VOLTAGE SHUTDOWN	19.0 - 21.0 VDC
	HIGH INPUT VOLTAGE SHUTDOWN	> 42.0 VDC
	OVERLOAD CURRENT LIMITING	Electronic knee type at power limit
	OVER TEMPERATURE SHUTDOWN	Yes (Auto reset)
CONNECTIONS	INPUT REVERSE POLARITY PROTECTION	Replaceable Input Fuse Externally Accessible
	INPUT CONNECTION	Screw Terminal Block, Magum 602-3
	OUTPUT CONNECTION	Screw Terminal Block, Magum 602-3
ENVIRONMENT	REMOTE CONTROL PORT	No
	AMBIENT AIR OPERATING TEMPERATURE RANGE	-40C to +40C no derating Derate 15% per 10C above 40C to a maximum of 60C
	OPERATING HUMIDITY	<95%, non condensing
MECHANICAL	ALTITUDE	6000 meters
	DIMENSIONS, INCHES (L x W x H)	7.8 x 6.9 x 3.6
	MOUNTING CENTERS, INCHES (L x W x H)	7.30 x 3.38
	VIBRATION & SHOCK RESISTANT	Internally Encapsulated
	WEIGHT (LB/KG)	6.0 / 2.75

NOTE: Specifications are subject to change without notice.