

SEC AMERICA, LLC

700W

MODEL 364

DC-DC BUCK CONVERTER

24V to 12V



Design Features

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

SPECIFICATIONS

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INPUT	SYSTEM BATTERY VOLTAGE	24 VDC
	NOMINAL INPUT VOLTAGE	25.5 VDC
	INPUT VOLTAGE RANGE	22 to 30 (+/- 0.5) VDC
	INPUT CURRENT AT MAX CONTINUOUS POWER	27 A
	INPUT CURRENT AT NO LOAD	0.45 A when converter is in "ON" state <0.002 A when converter is in "OFF" state
OUTPUT	OUTPUT VOLTAGE	13.6 - 13.8 VDC (factory set, internally adjustable)
	OUTPUT VOLTAGE REGULATION	< 80 mV, NL to Full Load
	RATED MAX OUTPUT CURRENT	50 A
	OUTPUT POWER, CONTINUOUS (RESISTIVE LOAD)	700 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	> 32.0 VDC
	OVERLOAD CURRENT LIMITING	Electronic knee type at power limit
	OVER TEMPERATURE SHUTDOWN	Yes (Auto reset)
CONNECTIONS	INPUT REVERSE POLARITY PROTECTION	Input Breakers
	INPUT CONNECTION	DIN Blocks, cable terminals provided
	OUTPUT CONNECTION	DIN Blocks, cable terminals provided
ENVIRONMENT	REMOTE CONTROL PORT	Yes
	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)	13.8 x 6.9 x 3.6
	MOUNTING CENTERS, INCHES (L x W x H)	13.3 x 3.9
	VIBRATION & SHOCK RESISTANT	Internally Encapsulated
	WEIGHT (LB/KG)	12.0 / 5.5

NOTE: Specifications are subject to change without notice.