

Technical Specifications

DC Input

Normal Operating Range:	18V to 36V
Peak Range Less than 10 Sec:	13V to 38V DC
Input protection:	Under voltage, Over voltage, Over current, Transients and Load dump.
EMI / Noise Filtering:	Common and normal mode filters

Input Connectors:	Mfg	Mfg PN	Mating Conn.	
Main Power and IGN or ON/OFF	Molex:	39-30-0100	39-01-3105	MiniFt-Jr

DC Output

DAX 4.4 output	Voltage	Max. Current	Tolerance	Ripple	Power
	5V Stby	2.5A	1%	50mV P-P	12.5W
	12V	36A	5%	100mV P-P	430W
DCX 20 output	5V Stby	2.5A (Pass thru)	1%	50mV P-P	12.5W
	12V	12A (pass thru)	5%	100mV P-P	150W
	3.3V	4A	1%	50mV P-P	13.5W
	5V	6.6A	1%	50mV P-P	33W
	-12V	.1A	15%	250mV P-P	1W

Note: DCX 20 uses +12V from DAX 4.4 to generate 3.3V, 5V and -12V for the ATX power

General

Compatibility:	ATX, uATX & ITX Mother boards
Modes of operation:	ON/OFF switch or Momentary push button modes
Switching Frequency:	300Khz Spread spectrum
Overall Efficiency:	91%
MTBF:	300,000 Hrs
On/OFF input :	Ignition or Switched battery feed
Delayed Shut down:	1Sec to 2Hrs
Startup and shut down voltages:	4 ranges
	Automatic Low voltage OS shut down
	Over temperature monitoring & shut down.

Environmental

Operating Ambient Temp:	-25°C to +70°C
Storage Temp:	-55°C to 125°C
Humidity:	5% to 95% non condensing
Vibration:	Designed to meet Mil 810 Ground vehicles specifications
Transients & Load dumps:	Designed to meet ISO-16750-2,

Physical

Dimensions:	216m L x 96mm W x 25mm H
Weight:	375 Grams

Optional

Conformal coating	Call
Custom Wiring harness	Call
Thermal Pad	Call

Ordering:

DAX 4.4	Automotive 24V to 12V ATX DC-DC Power Supply
DCX 20	ATX 12V to ATX DC-DC Power Supply

Contact

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