

DC-DC Converter
HS Sealed Series

Model
721 HS



Design Features

- Wide Range Input Voltage
- High Efficiency Design
- Hi Ingress Rating, IP 676
- Adjustable Output Voltage
- Optional Remote Output Voltage Sensing
- Optional Remote On/Off switching
- Low Voltage cutout
- High Voltage cutout
- Electronically Current Limited
- Thermally Protected
- Low No Load Power Consumption
- I/O Bayonet Quick Connection

		MODEL NO.	721 HS
INPUT	NOMINAL INPUT VOLTAGE RANGE	12 VDC to 28 VDC	
	MAXIMUM INPUT VOLTAGE RANGE	10.5 to 32.0 (+, - 0.5) VDC	
	INPUT CURRENT AT 32A OUTPUT CURRENT	80A @ 11.5 Vin; 25.5 Vout	
	INPUT CURRENT AT NO LOAD	< 160 mA over entire input and output ranges	
OUTPUT	OUTPUT VOLTAGE NOMINAL	26.0 VDC (factory adjusted)	
	OUTPUT VOLTAGE ADJUSTMENT RANGE	16.0 VDC to 28.0 VDC (internally accessible to user)	
	OUTPUT LOAD REGULATION	250 mV (without remote sensing) 50 mV (with remote sensing)	
	OUTPUT VOLTAGE REGULATION	< 0.2%	
	OUTPUT RIPPLE	50 mV RMS at maximum load (measured at 25C)	
	MAXIMUM CONTINUOUS OUTPUT POWER	850 W	
	POWER SURGE	1000 W	
	MAXIMUM LOAD CURRENT	32 ADC, for output voltage setting 16.0 VDC - 28.0 VDC	
	WORST CASE EFFICIENCY	91.5% @ 50% max. power, 86.5% @ max. power	
PROTECTION	LOW INPUT VOLTAGE SHUTDOWN	< 10.5 +/- 0.3 VDC	
	HIGH INPUT VOLTAGE SHUTDOWN	> 32.0 +/- 1.0 VDC	
	OVERLOAD SHUTDOWN	Set to shut off at 110% of maximum current with continuous automatic retry	
	OVER TEMPERATURE SHUTDOWN	Via internal thermostat, self resetting	
	COOLING	By conduction through base plate and convection cooling	
CONNECTIONS	FUSING	Customer accessible	
	INPUT/ OUTPUT CONNECTION	Via 9 pin Bayonet connector	
	REMOTE TURN ON	Via pin to -ve on input connector, may be disabled via internal jumper	
GENERAL	REMOTE SENSE	Via 2 pins on the output connector usage is optional	
	OPERATING TEMPERATURE RANGE	-40C to 70C, 100% loading	
GENERAL	OPERATING HUMIDITY	100%	
	INGRESS RATING	IP 676	
	MOUNTING SLOT CENTERS (in./cm.)	10.0 x 7.3 / 25.4 x 18.5	
	DIMENSIONS, (in./cm.) (L x W x H)	15.5 x 8.0 x 2.9 / 39.4 x 20.3 x 7.4	
	HOUSING MATERIAL	All Aluminum	
	WEIGHT, (lb./kg.)	18 / 8.2	

NOTE: Specifications are subject to change without notice.

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