

450W



DC-DC Converter
HS Sealed Series

Model 621 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.		621 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 15A OUTPUT CURRENT	38A @ 11.5 Vin; 26.0 Vout
	INPUT CURRENT AT NO LOAD	< 150 mA over entire input/output voltage range
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	<1.6% (with local sensing) <30 mV (with remote sensing)
	OUTPUT VOLTAGE REGULATION	<2%
	OUTPUT RIPPLE	50 mV RMS at maximum load (measured at 25C)
	MAXIMUM CONTINUOUS OUTPUT POWER	450 W
	POWER SURGE	550 W
	MAXIMUM LOAD CURRENT	15 ADC, for output voltage setting 16.0 VDC - 28.0 VDC
	WORST CASE EFFICIENCY	92.0% @ 50% max. power, 88.0% @ 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
CONNECTIONS	FUSING	Customer accessible
	INPUT/ OUTPUT CONNECTION	Via 9 pin Bayonet connector
	REMOTE TURN ON	Via pin to negative return 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.)	6.0 x 7.3 / 15.2 x 18.5
	DIMENSIONS, (in./cm.) (L x W x H)	9.5 x 8.0 x 2.9 / 24.1 x 20.3 x 7.4
	HOUSING MATERIAL	All Aluminum
	WEIGHT, (lb./kg.)	10 / 4.5

NOTE: Specifications are subject to change without notice.

Rev 7/15/2015