

# HS-1500W

## HOT SWAP - 1500 WATTS

POWER FACTOR CORRECTED 180-264 VAC



### FEATURES:

- Low Profile 5" x 8" x 15.91" in Size
- N+1 Redundant and Hot Swap (Elcon Lower Drawer Connector)
- Fast and Easy Installation
- Meets EN55022 Level A / FCC Class A
- No Additional Cooling Required up to 50 °C
- Power Factor Corrected Input (180-264VAC)
- Active Current Share Capability
- LED Included Indicates Power Supply Status
- Greater than 150,000 Hrs MTBF (500,000 Hrs in Redundancy)
- Intended for telcom use (-24VDC and -48VDC Outputs)

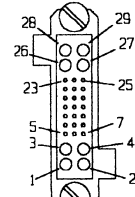
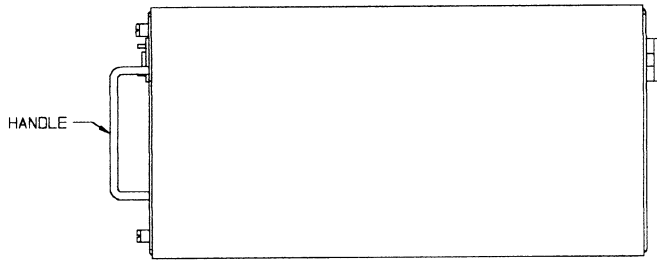


	OUTPUT VOLTAGE (VDC)	OUTPUT AMPERS (MAX)	OUTPUT POWER (WATTS)
V1	24 to 60	60	1500

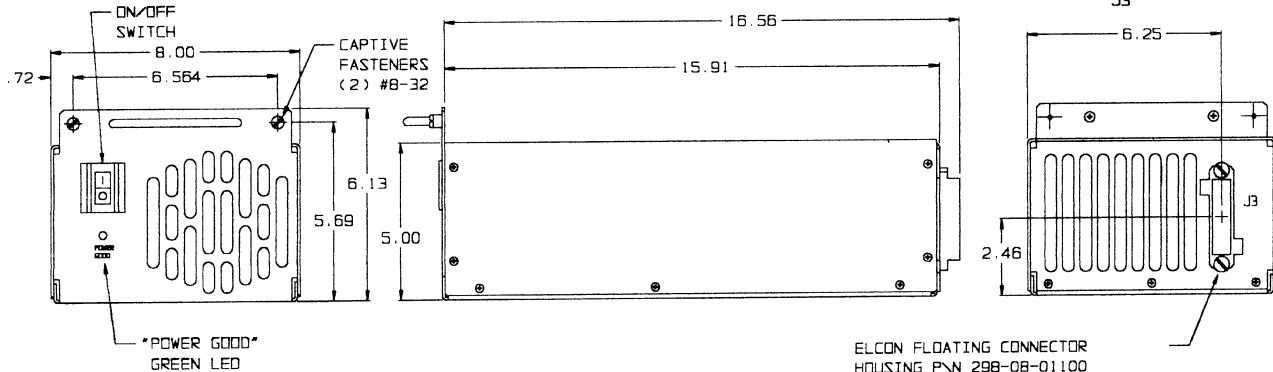
# HS-1500W SERIES 1500 WATT

\* IN .PDF FORMAT, PRINT OR ZOOM TO SEE DRAWING

J3 OUTPUT CONNECTOR	
PIN #	SIGNAL
1	+48V
2	RTN
3	+48V
4	RTN
5	N/C
6	N/C
7	N/C
8	+SENSE
9	-SENSE
10	N/C
11	I-SHARE
12	POWER GOOD
13-26	N/C
27	CASE GND
28	ACL
29	ACN



OUTPUT CONNECTOR DESCRIPTION  
J3



**NOTES:**

- HOT PLUGGABLE, POWER FACTOR CORRECTED, 1500 WATT SUPPLY, WITH "ORING" DIODE.
- POWER GOOD SIGNAL (P.G.): NORMAL LOGIC "1" SET TO TRIP AT 40V ±0.5V
- CURRENT SHARE SIGNAL (I.S.).

ELCON FLOATING CONNECTOR HOUSING P/N 298-08-01100  
MATES WITH P/N 297-08-01100  
SEE OUTPUT CONNECTOR DESCRIPTION

<b>Nominal Input Voltage</b>	230 VAC.	<b>Overtemperature Protection</b>	Unit shuts down if overheated. Automatic recovery.
<b>Frequency</b>	47-63 Hz , 400 Hz available	<b>Cooling</b>	Integral fans up to 50°C Ambient full power.
<b>Operational Input Voltage Range</b>	180-264 VAC	<b>Input/Output Isolation</b>	4242 VDC, SELV construction.
<b>Inrush Current</b>	Less than 4 msec 160 amperes @ 230 VAC.	<b>Remote Sense (V1output)</b>	Up to 0.5 volts total in load.
<b>Fusing</b>	20 Ampere, 250 VAC, Internal fibre body fuse.	<b>Power Good or Power Fail</b>	Standard - Normal Logic "1"
<b>Hold up time</b>	20msec minimum after loss of AC Input at full load and nominal input	<b>I-Share</b>	Single wire for active share programming.
<b>Efficiency</b>	80% typical (without OR diodes)	<b>Operating Temperature</b>	-20°C to 50°C full output 50°C to 75°C, derate 2% /°C
<b>Turn on time</b>	Less than 1 sec.	<b>Stability</b>	0.5% for 8 hrs. after 1 hour warm-up.
<b>Load Regulation</b>	1% for 0% to 100% load change on V1	<b>Humidity</b>	Up to 95% non-condensing.
<b>Line Regulation</b>	± 0.1% over operating line range	<b>Size</b>	5"x 8"x 15.91"
<b>Ripple &amp; Noise</b>	1% PARD or 100mv which ever is greater. 20MHz bandwidth.	<b>Weight:</b>	30 lbs.
<b>Transient Response</b>	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.	<b>EMI</b>	Meets FCC Class A and EN55022 Level A
<b>Short Circuit and Overload Protection</b>	Output is protected from short circuit and overload. Automatic recovery.		
<b>Overshoot</b>	No turn-on or turn-off overshoot.		
<b>Overvoltage Protection</b>	V1 voltage clamp set at 30% above nominal.		