



**FEATURES**  
 3U x 21TE x 230 mm  
 INPUT : 85-265Vac 47-63Hz  
 OUTPUT : 40, 56, 80, 112Vdc selectable / 6,25A  
 Efficiency : 80 % -> 83 % typ.  
 Pout : 700W max.  
 Rack mounting

**APPLICATIONS**

**INPUT**

Voltage range : 85-265Vac                      Frequency : 47-63Hz

Input protection : fuse 15A  
 transient and surges protected  
 inrush current

**OUTPUT**

Voltage : 40-56-80-112Vdc selectable (see truth table)  
 Current : 6,25A nominal  
 Trim range : 96 - 132Vdc (only for +112V operation)

	OUTPUT		Conditions
	Typ.	Max.	
<b>Line regulation</b>	0,02 %	0,2 %	Low line to high line ; full load
<b>Load regulation</b>	0,31 %		No load to full load @ 112Vdc
<b>Ripple and noise</b>	0,11 %		Peak to peak, nom. Input ; full load @ 112Vdc
<b>Current limit</b>	125 % of I nominal	130 %	Vout = 95% of nominal ; Automatic restart
<b>Short circuit current</b>	115 % of I out nominal	130 % of I out nominal	

## SIGNALS

<b>Output OK :</b>	Green led :	Output OK when $\frac{\Delta V_{out}}{V_{out}} < 5\%$
	Red led :	error on output
	Yellow led :	AC Input OK
<b>Output adjust :</b>	By potentiometer from 85 % to 117 % of $V_{out}$ (only in +112Vdc mode)	
<b>Power Good :</b>	Open collector isolated	
	Shorted when output is OK ; able to sink 10mA	
	Open otherwise (Do not apply more than 60V)	
<b>Inputs :</b>	E1, E2 : output programming (with respect to output ground)	
	(1 : pin open ; 0 : pin shorted to 0V)	
	DIS : output enable	
	( open : output OK ; Shorted to 0V : output disabled)	

## ENVIRONMENTAL

Storage temperature :	-10°C to +95°C
Operating temperature in natural convection 2m/s :	-10°C to +60°C ambient, no derating.
	Self protected when inner temperature reaches 105°C (shutdown & automatic restart)

## ISOLATION

Input to chassis :	1500 Vrms or 2121Vdc
Input to Output :	1500 Vrms or 2121 Vdc
Output to chassis :	500Vrms

## GENERAL

<b>EMI :</b>	<b>built to meet CE102 ; CE101 (Nominal conditions)</b> <b>EN61000-3-2</b> <b>STANAG 1008</b>
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**MECHANICALS**

Weight : 3 Kg



**OUTPUT : H15 connector DIN 41612**

	DESCRIPTION
<b>PIN 4</b>	<b>Earth</b>
<b>PIN 6, 10</b>	<b>AC IN</b>
<b>PIN 8, 12</b>	<b>AC IN</b>
<b>PIN 14</b>	<b>NC</b>
<b>PIN 16</b>	<b>Power Good Emitter</b>
<b>PIN 18</b>	<b>Power Good Collector</b>
<b>PIN 20</b>	<b>DIS</b>
<b>PIN 22</b>	<b>E2</b>
<b>PIN 24</b>	<b>E1</b>
<b>PIN 26, 30</b>	<b>- OUT</b>
<b>PIN 28, 32</b>	<b>+ OUT</b>

**TRUTH TABLE**

DIS	E1	E2	OUT
1	X	X	Disable
0	0	0	80V
0	0	1	112V
0	1	0	DIS
0	1	1	DIS

1 : open  
0 : shorted to OVout