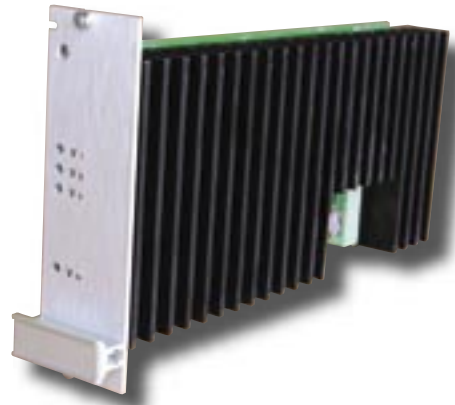




### FEATURES

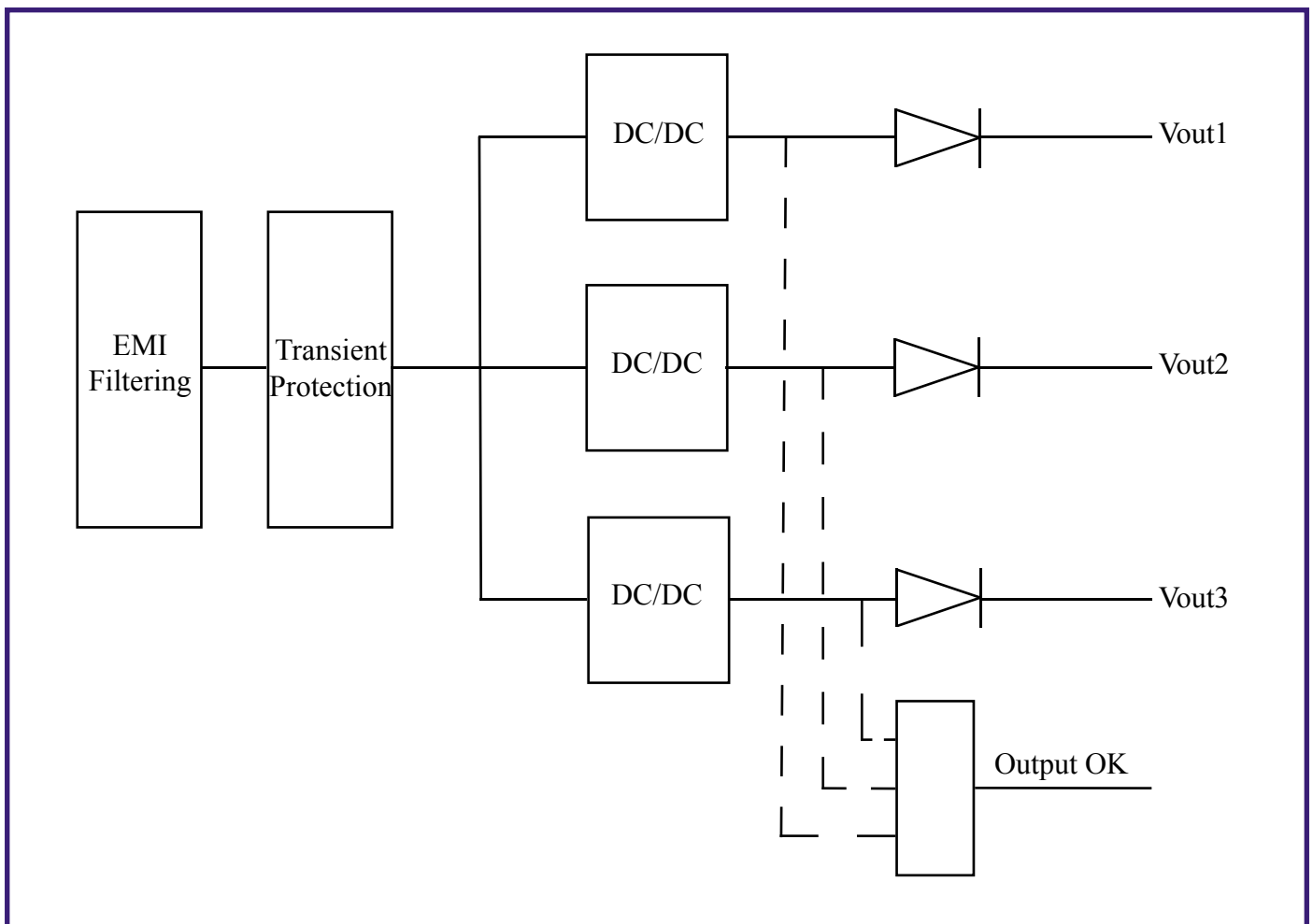
3U x 8TE x 220 mm  
Vin : 24, 48, 72, 110 Vdc  
Vout : From 3,3V to 48V  
1 to 3 outputs fully independent  
Option N+1 on every output  
Pout max : 250W



### APPLICATIONS

This range of power supplies is specially designed for hard environment applications with vibrations like railways.

### BLOC DIAGRAM



## INPUT

Voltage :      24Vdc,            range : 18-36Vdc  
                   48Vdc,            range : 36-72Vdc  
                   72Vdc,            range : 55-100Vdc  
                   110Vdc,           range : 66-160Vdc

Transient protection : EN50155

Fuse protection

Reverse polarity protection

EMI : EN55022A, EN50121-3-2

## OUTPUT

Voltage :                      From 3,3 to 48V

I<sub>max</sub> :                         15A per output

P<sub>max</sub> :                         250W total

Redundancy :                N+1 with oring diodes on every ouput as an option

Current limit and short circuit :      protected on every output

	V 1		V 2		V 3		Conditions
	Typ.	Max.	Typ.	Max.	Typ.	Max.	
<b>Line regulation</b>	0,2 %	0,5 %	0,2 %	0,5 %	0,2 %	0,5 %	Low line to high line ; full load
<b>Load regulation</b>	0,2 %	0,5 %	2 %	3 %	3 %	4 %	10% to full load
<b>Ripple and noise</b>	2 %		2 %		2 %		Peak to peak - Bandwidth 20MHz according to o/p voltage
<b>Current limit</b>	105 to 135 % of I nominal		105 to 135 % of I nominal		105 to 135 % of I nominal		Vout = 95% of nominal ; Automatic restart
<b>Senses</b>	Remote		Local		Local		Remote sense has to be connected

## SIGNALS

Input OK : red led in front panel

Output OK : open collector, closed if outputs OK  
green led in front panel for each output  
Note that on output 1 when N+1 option is chosen and remote sense is used, the power good led signal is always ON

Inhibit : : general shutdown, pins 28,32 shorted to inhibit

## ENVIRONMENTAL

Storage temperature : -20°C to 105°C

Operating temperature : -25°C to +95°C heatsink

Operating temperature in natural convection : derating 2,5 % / °C above 55°C

## ISOLATION

Input to chassis : 1500 Vrms or 2121 Vdc

Input to Output : 3000 Vrms or 4242 Vdc

Output to Chassis : >100 Mohms at 500 Vdc

## GENERAL

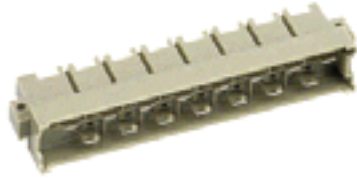
**Safety :** built to meet EN60950

**EMI :** built to meet EN55022, EN50121-3-2, conducted.

**ENV :** built to meet EN50155

## MECHANICALS

Solder side of the PCB protected by PBT sheet.



**DIN 41612 H15**

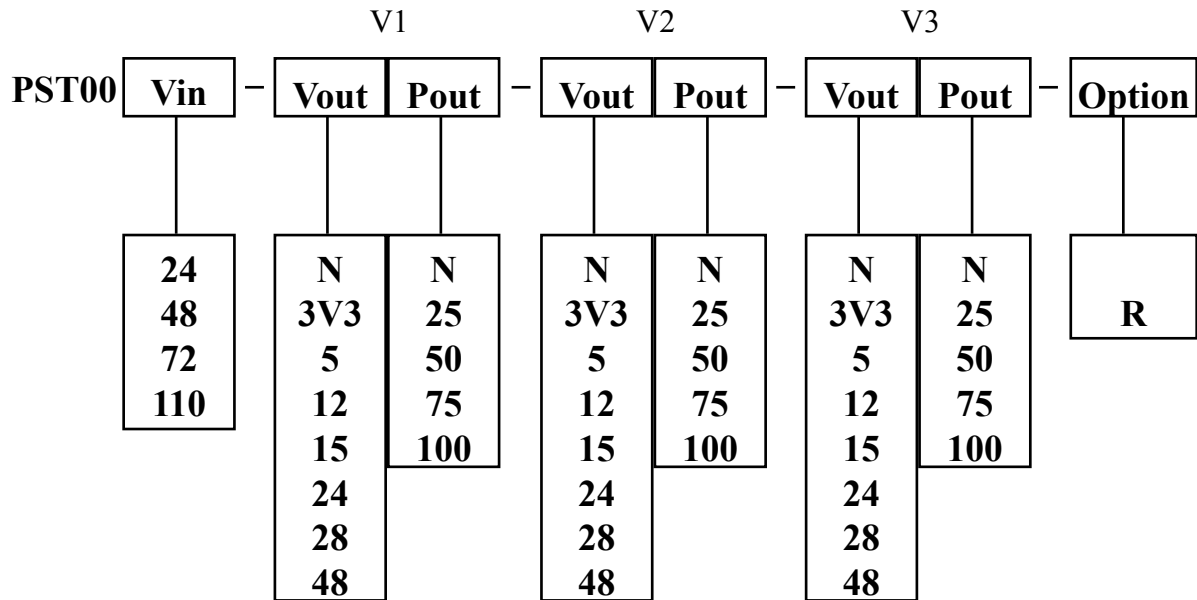


## OUTPUT

PIN	DESCRIPTION	
4	Vo1+	Output 1 +
6	Vo2+	Output 2 +
8	Vo1-	Output 1 -
10	Vo2-	Output 2-
12	S1+	Output 1 Sense +
14	S1-	Output 1 Sense -
16	NC	No connection
18	Vo3+	Output 3 +
20	Vo3-	Output 3-
22	Out OK+	Output good collector
24	Out OK-	Output good emitter
26	Ground	Ground
28	Inhibit	Inhibit
30	VI+	Input +
32	VI-	Input -

## HOW TO ORDER ?

Just fill in.  
 Iout max : 15A  
 Pmax : 250W



COMPANY NAME :

ADDRESS :

NAME : JOB TITLE :

QUANTITY : DELIVERY DATE :

INFORMATION :

SEND TO :

**POWER SYSTEM TECHNOLOGY**  
**19, 21 rue Gustave Eiffel - Bâtiment A2**  
**28630 GELLAINVILLE - FRANCE**