

## FEATURES

### Input voltage

16÷36Vdc (14,4÷40Vdc for transient <=100ms)

### Efficiency

86% typ.

### Input protections

- RFI filter
- Input fuse
- Reverse polarity

### See table for

- Output Nominal power
- Output voltages and currents
- Line and load regulation
- Output ripple and noise

### Output protections

- Over load protection
- Short circuit protection
- Over voltage protection

### Output signals

- Sense1+

- Sense1-
- R
- Out\_OK+
- Out\_OK-
- Inhibit (connect to V1- to enable outputs)

### Operating indicators

- Led 1 : Out OK (Outputs OK)
- Led 2 : Vin (Battery input presence)

### Operating temperature

-25° ÷ +85°C

### Storage temperature

-40°C ÷ +85°C

### Humidity

< 75% (95% for 30 consecutive days)

### Dielectric withstand voltage

- Inputs - (Outputs+Out ok+P.E.) = 1500Vdc
- (Inputs+Outputs+Out ok) - P.E. = 500Vdc
- Out ok - (Inputs+Outputs+P.E.) = 750Vdc

### Comply with

- EN50155
- EN50121-3-2
- EN50125-1 (T3 class)
- FSST306158
- IP 40 for ambiantal protection
- EN 60068-2-2 NORM
- HD 323.2.30
- NF C 20-714 NORM
- CEI 801.4
- EN60950

### Connections

DIN 41612 H15

### MTBF

70000 hours MIL-HDBK-217 Notice F (GM-50°C)

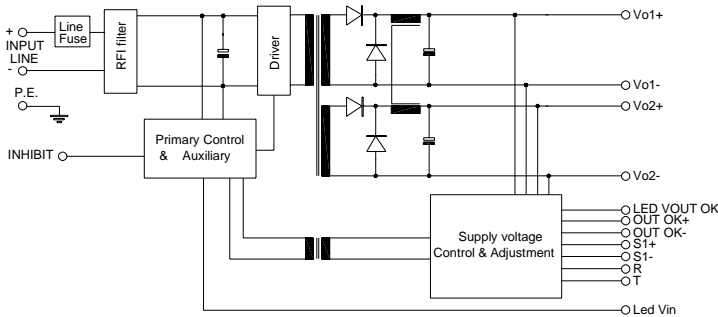
### Altitude

1800 mt Max

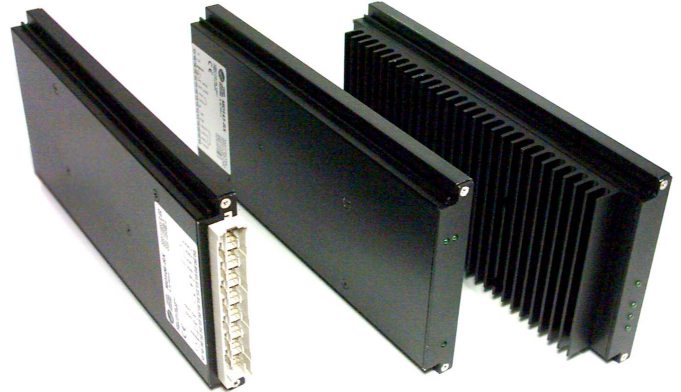
## FEATURES TABLE

Output Power W	Output	Vout V	Iout A	Imin A	Imax A	Line regulation VIN(min÷max) %	Load regulation (20÷100%) %	Ripple & Noise (0÷100KHz) mVpp
106 (Nom.)	Vo1	24.0	2.2	0.4	2.4	< ±0.5	< ±5	< 150
	Vo2	24.0	2.2	0.4	2.4	< ±0.5	< ±5	< 150

## BLOCK DIAGRAM

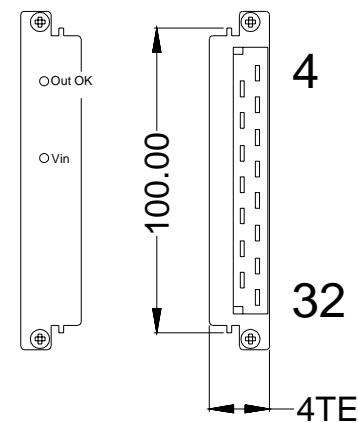


## RAILWAY POWER CONVERSION GROUP VIEW



## DIMENSIONS AND CONNECTIONS

### FRONT VIEW REAR VIEW



04	Vo1+
06	Vo2+
08	Vo1-
10	Vo2-
12	S1+
14	S1-
16	R
18	
20	
22	Out_OK+
24	Out_OK-
26	GND
28	Inhibit
30	Vi+
32	Vi-

### SIDE VIEW

