

AC/DC Euro-Cassette

Made in Europe 

Single Output Primary switched Series GTL

Output power 300 and 600 Watt

Voltage Regulated

High efficiency

For Telecom Application

High industrial standard

Intended for 19" rack



Input:

Input voltage	230V \pm 15 % 50 Hz
Inrush current limiting	with thermistor

Output:

Output voltage (DC)	see table
Output current	see table
Output power	see table
Efficiency	> 80 %

Regulation:

Line regulation	< 0,1 % U_{out} typ. 0,02 %
Load regulation (10 \div 90 % output load change)	static: < 1 % U_A dynamic: < 5 % U_A
Dynamic response	< 1 ms
Ripple and noise	< 0,2 % U_A (resistive)
Überlagerter Wechselstrom	< 0,5 % I_A
Temperature coefficient	< 0,02 % /K

Protection:

Overload protection	Current limit at $1,1 \times I_{Nom}$ short circuit protection at approx. $U_A + 15 \%$
Overvoltage protection	signal relais
Voltage control	standard
Decoupling diode	standard
Thermal protection	shut down, auto recover

Environmental Conditions:

Operating temperature	0 \div +50 °C
Cooling	free air convection
Switching frequency	300 W: 80 kHz 600 W: 50 kHz

Safety:

Safety standard	EN60950
Isolation	input - output: 3,0 kV _{rms} input - ground: 1,5 kV _{rms} output - ground: 700 V _{rms}

EMC:

Input EMI filter	EN50081-1, EN55011
Input immunity	EN50082-1, EN55022

Operating and Control:

Parallel operation	units with same U_A with additional ext. connection current sharing up to 5 % U_{Out} standard
Remote sense	LED green: At $I_A > 5 \%$ I_{Nom} LED green: Power on (U_A present) LED red: Error (U_A not present)
Adjustment signals	LED green: Power on (U_A present) LED red: Error (U_A not present)
Adjustment	voltage \pm 10 %, potentiometer front-panel access

Connectors:

Input and output	H15-Connector, to DIN 41612
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Physical Specifications:

Dimensions	see table
Weight	300 W: 2,2 kg 600 W: 3,5 kg

Decoupling diode - Parallel operation

Voltage (V) / Current (A)	Power (W) free air convection	Model Number
24/12	300	GTL24/12
24/20	480	GTL24/20
48/6	300	GTL48/6
48/12	600	GTL48/12
60/5	300	GTL60/5
60/10	600	GTL60/10

Options:

- Female plug H15
- 19" front-panel, colour RAL 7032
- Sub front-panel
 - colour Al anodized
 - colour RAL 7032
- mounting brackets to assemble for stand-alone model
 - horizontal
 - vertical

Pin Assignment

H15- connector	GTL...
z4	- Sense
d6	+ Sense
z8	+ Output
d10	+ Output
z12	- Output
d14	- Output
z16	Current Share
d18	Relais 11
z20	Relais 14 (n/o contact)
d22	Relais 12 (n/o contact)
z24	
d26	L
z28	
d30	N
z32	⊕

Physical Specifications (T = 5,08 mm)

Output- power (W)	Dimensions H x D	Case width (T)	sub front panel (T)
300	3 HE x 171,5 mm	31	33
600	3 HE x 231,5 mm	41	42