

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
Option: fixing for vibration applications



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 static: < 1 % U_{out}
dynamic: < 5 % U_{out}
(10 – 90 % output load change)
Dynamic response < 1 ms
Ripple and noise < 0,2 % U_{out} (resistive)
Überlagerter Wechselstrom < 0,5 % I_{out}
Temperature coefficient < 0,02 % / K

Protection:

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

Environmental Conditions:

Operating temperature 0 – +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_{out}
with additional ext. connection
current sharing
Remote sense up to 5 % U_{out}
standard
Adjustment signals LED green: At $I_{out} > 5 % I_{Nom}$
LED green: Power on
(U_{out} present)
LED red: Error
(U_{out} not present)
Adjustment voltage \pm 10 %, potentiometer
front-panel access

Connectors:

Input and output H15-Connector, to DIN 41612

Physical Specifications:

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

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

Setting Range +15% required, please specify with order

Pin Assignment

H15- connector	GTL...
z4	- Sense
d6	+ Sense
z8	+ Output
d10	+ Output
z12	- Output
d14	- Output
z16	Current Share
d18	Signal Relay 11
z20	Signal Relay 14 (normally open)
d22	Signal Relay 12 (normally closed)
z24	
d26	L
z28	
d30	N
z32	⊕

Options:

Female plug H15

19" front-panel, colour RAL 7032

Sub front-panel

- colour Al anodized

- colour RAL 7032

other colours consult factory

mounting brackets to assemble for stand-alone model

- horizontal

- vertical

Decoupling diode for parallel operation

fixing for vibration applications

Physical Specifications (T = 5,08 mm)

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