



ISO 9001:2008  
REGISTERED

GTM96180-18VV-X.X-T2

**Exista**  
POWER SUPPLIES



Allmendstrasse 6 CH-8320 Fehraltorf  
Tel. +41 43 204 01 01 sales@exista.ch  
Fax +41 43 204 01 02 www.exista.ch



**18 Watts, Regulated Switchmode AC-DC Power Supply  
Desktop/External**



**ELECTRICAL SPECIFICATIONS:**

**INPUT VOLTAGE:**

SPECIFIED 90-264 VAC, NAMEPLATE RATED: 100-240VAC

**INPUT FREQUENCY:**

SPECIFIED 47-63 HZ, NAMEPLATE RATED 50/60HZ

**OUTPUT REGULATION:**

+/- 5% MEASURED AT THE OUTPUT CONNECTOR, (TIGHTER +/-3% AS OPTION)

**LINE VOLTAGE REGULATION:**

+/- 0.5% TYPICAL MEASURED AT FULL LOAD

**GREEN POWER ON INDICATOR LED**

**OUTPUT RIPPLE (VP-P):**

1% OR 150 mV WHICHEVER IS GREATER, MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH A LOW IMPEDANCE 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR

**TURN-ON/OFF OVERTHOOT:**

5% MAXIMUM, 1 MS TYPICAL RECOVERY TIME FOR 40% TO 70% STEP LOAD

**TURN-ON DELAY:**

1 SECOND MAXIMUM

**HOLD-UP TIME:**

8 MS TYPICAL @ NOMINAL INPUT VOLTAGE AND FULL LOAD

**INRUSH CURRENT:**

30A/60A MAXIMUM COLD START @ 115/230VAC INPUT

**EFFICIENCY:**

COMPLIANT WITH WORLDWIDE LEVEL VI STANDARDS.

**NO LOAD STANDBY POWER:**

0.1 W MAX FOR <= 49W OUTPUT POWER RATING,  
0.21W MAX FOR >49W OUTPUT POWER RATING

**PROTECTION**

**OVER-VOLTAGE:**

110% TO 130% OF NOMINAL OUTPUT VOLTAGE

**SHORT CIRCUIT:**

ELECTRONICALLY PROTECTED UNIT WILL AUTO RECOVER UPON REMOVAL OF FAULT

**OUTPUT CURRENT LIMIT:**

110% TO 160% OF RATED OUTPUT

**INPUT PROTECTION:**

INPUT LINE FUSING AND 300VAC MOV

**SAFETY**

**DIELECTRIC WITHSTAND VOLTAGE:**

4000VAC OR 5656VDC FROM INPUT TO OUTPUT, ON CLASS I MODELS, 3000VAC OR 4242VDC FROM INPUT TO EARTH

**EARTH LEAKAGE CURRENT:**

CLASS I MODELS < 300µA, N/A FOR CLASS II MODELS

**TOUCH CURRENT:**

CLASS I MODELS < 20µA, CLASS II MODELS < 75µA

**OUTPUT FLOATING OR EARTHED OPTION FOR CLASS I MODELS.**

**EARTH CONTINUITY TEST:**

< 0.1 OHM BETWEEN EARTH PIN AT AC INPUT AND PCB TERMINATION POINT (CLASS I MODELS ONLY)

**MEANS OF PROTECTION:**

2 X MOPP

**PRIMARY TO SECONDARY BRIDGING CAPACITANCE:**

TWO IEC60384-14 CERTIFIED Y1 TYPE CAPACITORS IN SERIES

**EMC**

EN 60601-1-2, 4TH EDITION

EMISSIONS, PER EN 55022

CONDUCTED EMISSIONS: CLASS B, FCC PART 15, CLASS B

RADIATED EMISSIONS: CLASS B, FCC PART 15, CLASS B

LINE FREQUENCY HARMONICS EN61000-3-2, CLASS A

VOLTAGE FLUCTUATIONS/Flicker EN61000-3-3

**IMMUNITY, PER EN 55024 PROCEDURE**

STATIC DISCHARGE IMMUNITY EN61000-4-2, 10KV CONTACT

DISCHARGE, 20KV AIR DISCHARGE

RADIATED RF IMMUNITY EN61000-4-3, 10V/M 80-1000MHZ,

3V/M 1-2.7GHZ, 80% 1KHZ AM.

EFT/BURST IMMUNITY EN61000-4-4, 4KV/25KHZ.

LINE SURGE IMMUNITY EN61000-4-5, 2KV DIFFERENTIAL,

4KV COMMON-MODE

CONDUCTED RF IMMUNITY EN61000-4-6, 3VRMS, 80% 1KHZ AM

POWER FREQUENCY MAGNETIC FIELD IMMUNITY

EN61000-4-8, 3A/M

VOLTAGE DIP IMMUNITY EN61000-4-11, CRITERIA

**OTHER:**

**MTBF:**

300,000 HOURS @ 25°C AMBIENT TEMPERATURE

**OPERATING TEMPERATURE:**

0°C TO 40°C AMBIENT TEMPERATURE AT FULL LOAD, -10°C

TO 50°C AMBIENT TEMPERATURE WITH 80% LOAD DERATING

**OPERATING HUMIDITY:**

0% TO 90% RELATIVE HUMIDITY

**STORAGE TEMPERATURE:**

-10°C TO 80°C

**OPERATING ALTITUDE:**

5000 METERS

**ROHS 2:**

COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

**SPECIAL OPTIONS**

COST REDUCTION, REMOVAL OF LED

CUSTOM CORDSETS, VARIOUS CORDAGE TYPES, AND

CONNECTOR TYPES

CUSTOM MARKINGS

SHORT TERM OUTPUT SURGE CAPABILITY

REDUCED LEAKAGE CURRENT VERSIONS

TIGHTENED OUTPUT VOLTAGE TOLERANCE

CONSTANT CURRENT BATTERY CHARGER CHARACTERISTIC

REDUCED OUTPUT POWER RATING

HIGH REL PCB LAMINATE WITH PLATED THROUGH HOLES

FOR IPC610 CLASS 2 COMPLIANCE

SPECIAL HOUSING COLORS AND CORDSET COLORS

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM96180-1507-2.0-R2	+5.00	0 - 3.00	15.00
GTM96180-1811-2.0-R2	+9.00	0 - 2.00	18.00
GTM96180-1817.9-5.9-R2	+12.00	0 - 1.5	18.00
GTM96180-1833-T2	+33.00	0 - 0.54	17.82
GTM96180-1838-5.0-T2	+33.00	0 - 0.54	17.82
GTM96180-1848-T2	+40.00	0 - .375	18.00



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**ENCLOSURE**

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED  
MARKINGS: LABEL AND/OR PAD PRINTED AND/OR MOLDED IN THE CASE  
INGRESS PROTECTION: IP52  
SIZE (MM): (L)87X(W)47X(H)32MM



**INPUT CONFIGURATION:**  
IEC 60320/C8 AC INLET  
CONNECTOR, CLASS II,  
NON-EARTH GROUND  
(AKA "FIGURE-8")

