

General Specification

Rectifier: **TEBECHOP 3000 HD**
Part-No.: **120948**
Type: **E110-240 G220/10 BWru-PDT**

Input	
Voltage	85-265 V AC 1-ph .
Current	13A at nominal line and load, (17A max.)
Frequency	47-63Hz
Power Factor	0,99 at nominal load
Efficiency	>= 0,93
Inrush current	< nominal
Recommended input Fuse	25A gl/ m.c.b. B-characteristic
Power derating	85V = 900W, 120V = 1400W, 175V – 265V = 2700W
Output Voltage	
Nominal voltage	220V
Nominal current	10A
Boost charge voltage (L)	264V (2,4V/C)
Float charge voltage (EL)	247,5V (2,25V/C)
Direct feed	220V
Battery test mode	198V (1,8V/C)
Adjustment range	185 – 275V
Voltage regulation	+/- 1%
Output Current	10A at 264V (2,4V/C) boost 10A at 247,5V (2,25V/C) float 10A at 220V 10A at 198V (1,8V/C)
Characteristic	IU
Ripple	<1%ss
Short circuit	Not recommended due to Rectifier output fuse
Parallel operation	max 24 Modules, Load sharing <+/- 5%, at >20% load
Generic data type	
Case protection	IP 20
Mechanical dimensions (H x W x D)	3U (133mm) x 1/5 19“(86,6mm) x 11,8” (300mm)
Cooling	Forced cooling. Fan speed controlled.
Operating temperature	-40°C - + 50°C
Humidity	0 to 90% non condensing
Storage temperature	-40 to +85°C
Operation altitude	1000m. Derating 10%/1000m, >1000m ü NN

General Specification

Connection	Connector is mounted on back of rectifier
Connection to rack	via Backplane
Shelf 19"	
Dynamic regulation	<+/-4% deviation of voltage, <2ms recovery time for load change 10%-90%-10%
Power density	962 W/L or 15.8 W/inch ³
Weight	2,9Kg
EMI	EN55022 class B
Electrical safety	IEC950 / EN60950/ UL1950
Acoustics	<58 dB (A). Sound pressure level 1 meter
LED indications (Multi function)	Operation – Green Initial operation (without mains) - Green and Red (continuous) Output over voltage – Red flashes 3 times (xxx xxx) Rectifier failure– Red (continuous) Fan fault – Green on and Red flashes twice (xx xx) High temperature – Red flashes twice (xx xx) Output fuse failure (internal) – Red flashes once (x x) Mains failure - Green and Red flash together
External function	-Remote ON/Off through external switch (option) -Voltage and charger mode adjustment (Service program) via RS485
MTBF	>120000 hours according to MIL –HDBK –217-F
Other standards EMC	EN 61000-4-2, level 3. Discharge (ESD) EN 61000-4-3, level 3. RF-Field 10V/m EN 61000-4-4, level 3. @ 5kHz 2KV Fast Transient EN 61000-4-5, level 3. Surge Line to Line 2KV EN 61000-3-3 Voltage Fluct. & Flicker EN 61000-3-2 Harmonic current