

General description

The EGSTON BI family is especially designed to meet functional requirements for the following applications:

- Bluetooth / WLAN
- Digital cameras, Audio applications
- Communication equipment
- Security and bathroom equipment
- Modems for DSL, ADSL, VDSL
- Office infrastructure equipment
- Advertising panels
- Banking equipment
- Data and text processing machines and associated equipment
- Electrical and electronic retail equipment
- Electrical and electronic office machines
- Postage equipment
- Telecommunication terminal equipment



Electrical features

- Wide input range (100-240V)
- Output power up to 60W
- Fixed output voltage with 12V, 15V, 18V and 24V available
- Output current up to 5A
- High efficiency and low standby power according ErP Tier II
- Form above deviating voltage on request
- High output voltage precision of $\pm 5\%$
- Short circuit proof.

Mechanical features

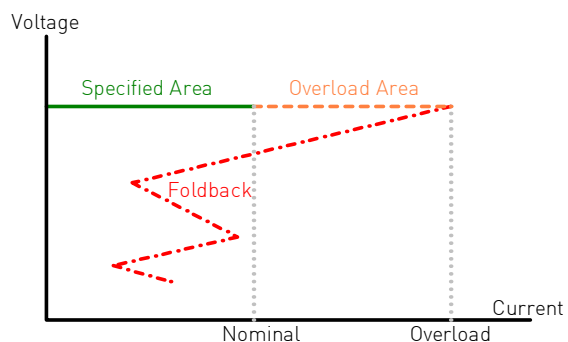
- Desktop Housing with IEC 320 C8 primary plug
- Output cable 1,5m long
- Output connector: H5.5 -/2.1+/10
- Protection class II
- For indoor use only
- Customer specific enclosures on request

Specifications

Input Parameter	Key	Min	Typ	Max	Unit
Input voltage	U_1	90		264	V
Input current	I_1			2000	mA
Input frequency	f_1	47	50	63	Hz
Op. Temperature	T	0		30	°C
Efficiency	η	According ErP Tier II / Energy Star Level V			





Output Parameter	Key	Min	Typ	Max	Unit
Output Power	P_2			12V PS: 60 15V PS: 60 18V PS: 59,94 24V PS: 60	W
Output Voltage	U_2	5		24	V
Output current	I_2			5	A
Ripple + Noise	U_r			12V PS: 120 15V PS: 150 18V PS: 180 24V PS: 240	mV max.
Oscilloscope bandwidth=20MHz 10uF/50V electrolytic and 0.1uF/50V ceramic capacitors are connected at output.					
Output voltage tolerance at PCB	ΔU_2		+/-5		%

Typical output chart

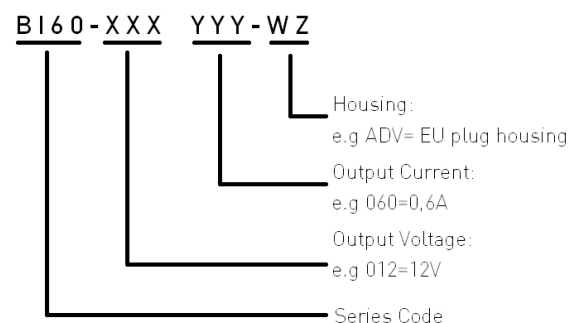


Test standards and approvals

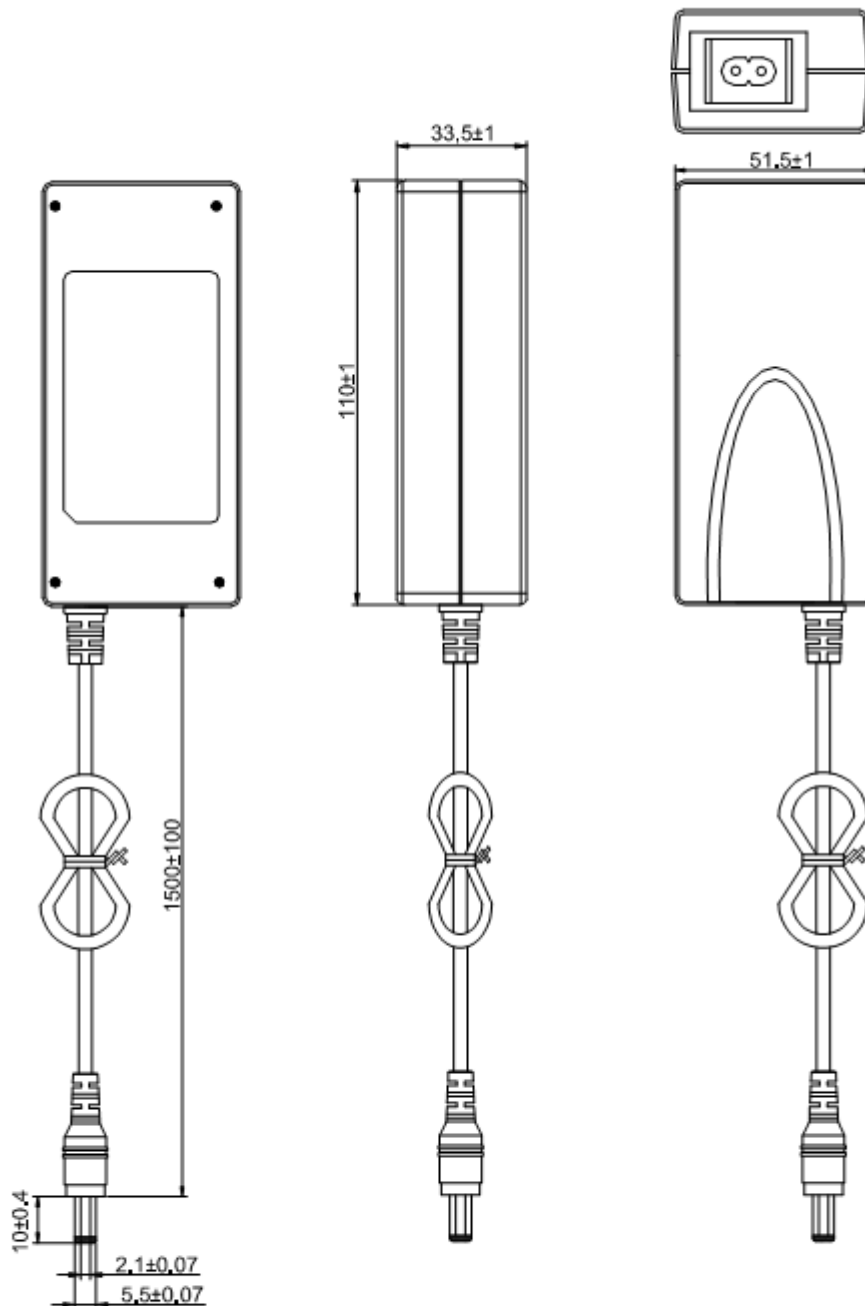
Test standards	
EN 55022 EN 55024 FCC 15 class B	EMC standards for information technology equipment
EN 60950-1 UL 60950-1	Information technology equipment

Approvals	
	Conformity with EU low voltage directive, EMC directive and ErP directive
	GS certification according product safety law including annual factory inspection
	C/US NRTL approval issued by UL
	FCC

Generic Product Code



Outline dimensions (Unit: mm)



1. DC CORD: 1185 16AWG 300V 80°C L=1500mm±100mm
2. DC Plug: 2.1*5.5*10mm; H-type;
3. Color: Black
4. All Dimension in mm