



KEY FEATURES

- Wall Wart charger
- Charge current up to 3A
- Can charge all chemistries
- Compact and affordable
- Optional private labeling

XSB BULLET SERIES

The bullet is a full solution wall plug-in battery charger with output up to 20W and incorporates a power regulator, precision voltage, current, temperature measurement circuitry and an LED indicator with a microprocessor controller. It accepts universal AC input. The bullet can charge all battery chemistries.

Charge Rate	3000mA (max)
Input Voltage	90VAC to 240VAC
Input Connector	Flip-out AC Blades
Weight	6.5oz (184g)
Material	ABS GSM
Color	Black
Dimensions	2.95" x 2.00" x 1.56" 75mm x 51mm x 40mm

TARGET BATTERIES:

- ▶ Li-Ion (LFP) 1-4 cells
- ▶ NiMH (NiCD) 1-12 cells
- ▶ SLA 1-8 cells

STANDARD XSB KIT INCLUDES:

- ▶ Charger
- ▶ Instruction sheet

OPTIONAL COMPONENTS:

- ▶ International adaptors
- ▶ Desktop adaptor

CARTON DIMENSIONS:

- ▶ 4.70" x 4.30" x 2.00" (Charger only)
- ▶ 8.00" x 4.60" x 2.20" (w/accessories)

QUALITY THAT COUNTS

Dedicated to quality and backed by on-time delivery, Energy Access offers customizable solutions to fit any charging need. Our reach is world-wide. Working within a broad range of markets including medical, military, industrial, security, safety and robotics. Working closely with cell manufacturers and battery assemblers, our customers have helped shape the cornerstone of our success.

CHARGER KIT: PRODUCT PART NUMBERING			
XXX	CCCC	VVVVV	AAA
XBS	3000	4200	AEU

*Not all part numbers displayed

KEY

XXX - Charger platform
 CCCC - Current setting (CCCCmA)
 VVVV - Voltage setting (VVVVmV)
 AAA - Accessories

GENERAL

Current tolerance	±10%
Voltage limit tolerance	±0.20%
Operating temperature	0° C to 40° C
Input voltage	100VAC to 240VAC
Frequency	50H to 60Hz

PHYSICAL AND ENVIRONMENTAL

Dimensions	2.95" x 2.00" x 1.56" 75mm x 51mm x 40mm
Weight	6.5oz (184g)
Material	ABS GSM
Storage temperature	-20° C to 85° C
Humidity	15% to 95% (non-condensing)

OUTPUT CABLE

Length	72" to 80" (183cm to 200cm)
Output connector	2.5mm (center positive)

LED INDICATIONS

Off	No battery detected
Red-yellow-green-off	Power-up
Green flashing	Fast charge
Green solid	Fully charged
Yellow solid	Standby or suspend
Red/green flashing	Shorted terminals
Red flashing	Error

	Lithium Ion	NiMH	NiCd	Lead Acid	Timed
Termination Algorithm	CCCV	dT/dt (thermistor required)	Negative delta V	CCCV	Timer
Application Range	N/A	capacity/3 to 3X capacity	capacity/3 to 3X capacity	N/A	< Capacity /6
Termination Value/Point	Current falls to limit value/5	dT/dt or -ΔV	dT/dt or -ΔV	Current falls to limit value/5	Timer
Top-off Charge	1 hour or current falls to limit value/ 10	100mA for 30 minutes after termination indicates	100mA for 30 minutes after termination indicates	N/A	N/A
Trickle Charge	N/A	Continuous at C/300	Continuous at C/300	Float	Continuous at C/300
Current Charge Limit	Preset 3A max	Preset 3A max	Preset 3A max	Preset 3A max	Preset 3A max
Charge Voltage Limit	Preset	N/A	N/A	Preset	Preset
Override Timer	None	4 hours	4 hours	None	None
Restart Threshold	7/8 of termination voltage or every 2 hours	N/A	N/A	7/8 of termination voltage	N/A
Number of Cells	1 to 4	1 to 14	1 to 14	2 to 12	N/A