

AC-DC Power Supplies - 6W

Models BB-SMI6B12V-P230C1, BB-SMI6B-12-V-ST

ADVANTECH

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BB-SMI6B12V-P230C1

- + DOE Level VI, CoC, ErP Stage 2 Energy Efficiency
- + Universal Input Voltage Range – 100 to 240 V AC
- + Up to 6 Watts continuous output power
- + Single regulated DC output
- + Interchangeable, international AC input blades (kit included)
(North America, Europe, UK, Australia, China)
- + Over-voltage, short-circuit protection
- + Custom design options available

OVERVIEW

Models BB-SMI6B12V-P230C1 and BB-SMI6B-12-V-ST are 6 Watt, wall plug-in AC-DC power supplies with interchangeable AC blades. These high efficiency power supplies utilize the latest in green power technology. They meet the latest U.S. DoE Level VI efficiency standards in addition to the proposed and more stringent EU CoC Tier 2 requirements.

Designed for global use, these power adapters include input plug options for North America, Europe, United Kingdom, Australia and China.

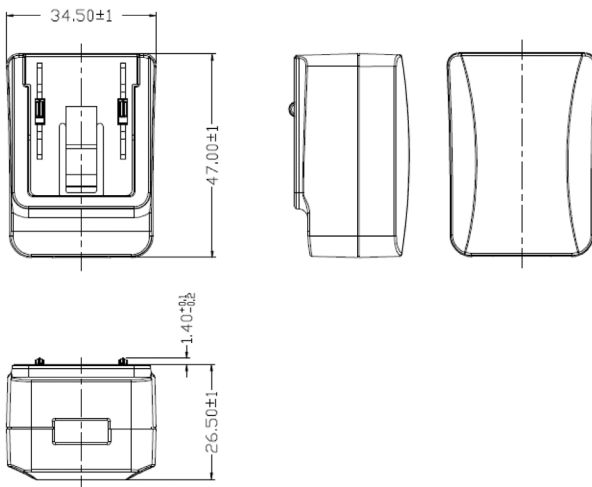
ORDERING INFORMATION

MODEL NUMBER	OUTPUT VOLTAGE (VDC, typical)	OUTPUT CURRENT (A, max.)	OUTPUT POWER (W, max.)	OUTPUT PLUG	RIPPLE & NOISE ¹ (mVp-p, max.)	EFFICIENCY LEVEL ²
BB-SMI6B12V-P230C1	12	0.5	6	Barrel plug	300	VI
BB-SMI6B-12-V-ST ³	12	0.5	6	Stripped & tinned leads	300	VI

1. At full load, 100 ~ 240 V AC input, 20 MHz bandwidth oscilloscope, output terminated with 10 μ F aluminum electrolytic and 0.1 μ F ceramic capacitors.
2. CoC Tier 2 compliant.
3. Model# BB-SMI6B-12-V-ST is a *modified* version of Model# BB-SMI612V-P230C1: The DC connector is removed leaving the stripped and tinned ends.

MECHANICAL DRAWING - POWER SUPPLY

Units = mm

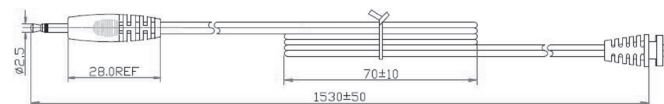


DC CORD

Cable	Plug	Cord Length	Color
UL2468, 22 AWG	Mono plug, $\phi 2.5 \times 11$ mm	1,530 mm \pm 50	Black

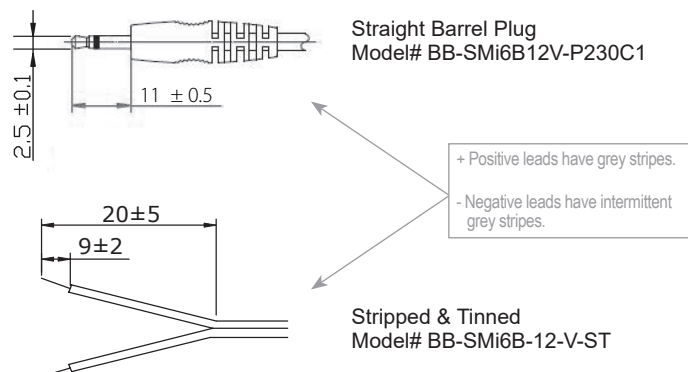
MECHANICAL DRAWING - DC CORD

Units = mm



MECHANICAL DRAWINGS - DC CORD OUTPUT PLUGS

Units = mm



All product specifications are subject to change without notice.
BB-SMI6B12V-P230C1_ & BB-SMI6B-12-V-ST_4520ds

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Advantech B+B SmartWorx, 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA 1 (800)346-3119/Toll Free | orders@advantech-bb.com | support@advantech-bb.com

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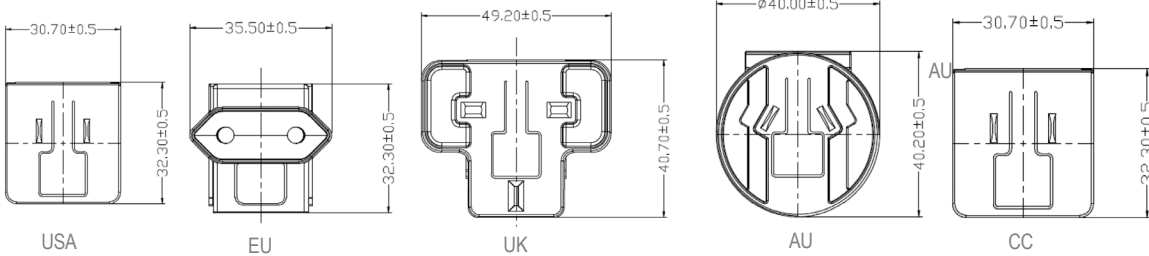
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BB-SMI6B-12-V-ST

MECHANICAL DRAWING - AC INPUT BLADES (included)

Units = mm



SPECIFICATIONS

PARAMETER	CONDITIONS/DESCRIPTION	MINIMUM	TYPICAL	MAXIMUM	UNITS
POWER - INPUT					
Voltage	-	90	-	264	V AC
Frequency	-	47	-	63	Hz
Current	-	-	-	0.2	A
Leakage Current	At nominal AC input and frequency	-	-	0.25	mA
No-load Power Consumption	At 115/230 V AC, 60/50 Hz	-	-	0.075	W
POWER - OUTPUT					
Line Regulation	-	-	± 5	-	%
Load Regulation	-	-	± 5	-	%
Start-up Time	At 115 V AC	-	-	3	s
Rise Time	At 90 ~ 264 V AC	-	-	100	ms
Hold-up Time	At nominal input	5	-	-	ms
SAFETY					
Isolation Voltage	Input to output at 10 mA for 1 minute	-	3,000 4,242	-	V AC V DC
PROTECTIONS					
Over Current Protection	Output shut down, auto recovery	-	-	1	A
Short Circuit Protection	Output shut down, auto recovery	-	-	-	-
ENVIRONMENTAL					
Operating Temperature	-	0	-	40	°C
Storage Temperature	-	-20	-	60	°C
Operating Humidity	Non-condensing	20	-	85	%
Storage Humidity	Non-condensing	5	-	95	%
MECHANICAL					
Dimensions, case	47.0L x 34.5W x 26.5H (tolerance: ± 1%)	-	-	-	mm
Input Plug	Interchangeable blades (North America, Europe, United Kingdom, Australia, China)	-	-	-	-
Weight	Without blades	-	54 (± 15%)	-	gm
Color	Black	-	-	-	-
APPROVALS / CERTIFICATIONS					
Safety Approvals	UL/cUL, RCM, GS, PSE, CCC	-	-	-	-
EMI/EMC	FCC Part 15 Class B, CE	-	-	-	-
Meantime Between Failures (MTBF)	As per Telcordia SR-332, Issue 2 at 115/230 V AC full load, 0~40 °C	50,000	-	-	hours
RoHS	Yes	-	-	-	-