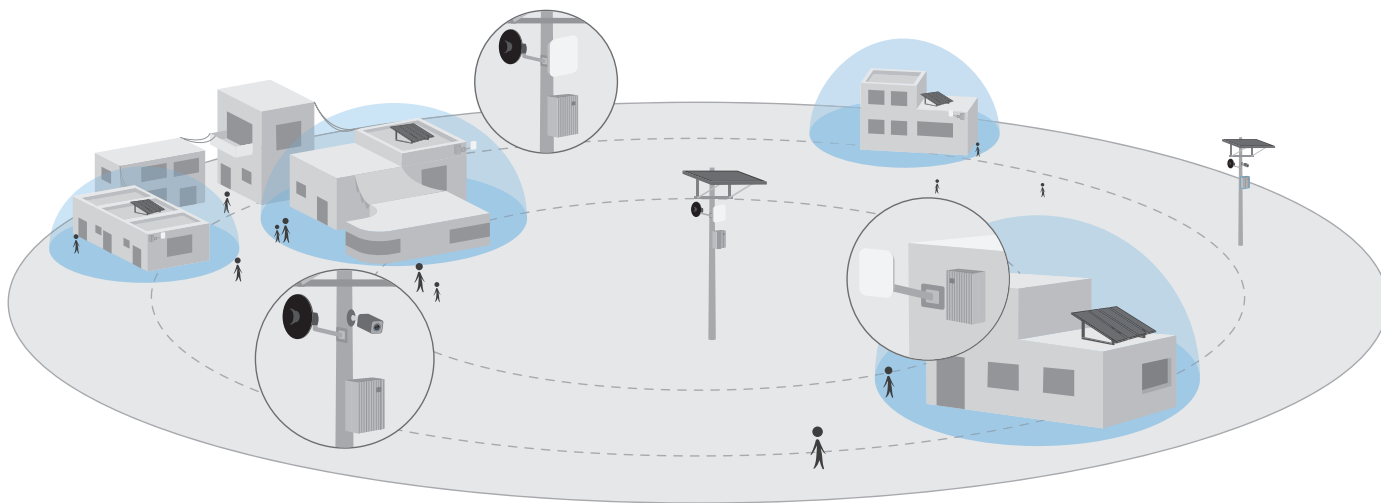


DATASHEET

BLUETOWN POWER UNIT LITE

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BLUETOWN POWER UNIT LITE is a durable, power unit in a small form factor ideal for Wi-Fi hotspots, cable modems, surveillance cameras and BLUETOWN LOCAL CLOUD

installations. **BLUETOWN POWER UNIT LITE** is designed for “install-and-forget” deployments in remote areas and for operation under harsh environmental conditions.



POWERFULL LONG-LASTING BATTERY



MULTIPLE OPTIONS FOR POWER INPUT



INSTALL AND FORGET



HIGH POWER TO SIZE RATIO



VERSATILE



SMART POWER UNIT

Powerful Long-lasting Battery

POWER UNIT LITE can provide up to 60 hours of battery backup to a Wi-Fi access point (assuming 5-watt average consumption) or be deployed with less battery capacity to minimize cost of batteries.

Multiple Options for Power Input

The high-grade built-in MPPT means that POWER UNIT LITE is perfectly coupled with solar panels (minimum 80W). It can also work with AC power.

Install and Forget

POWER UNIT LITE is designed to work in harsh and remote locations. To conserve battery longevity, POWER UNIT LITE turns off when power levels become too low to sustain further usage. When the charge level is back above the threshold, POWER UNIT LITE automatically turns on again. No human intervention required.

High Power to Size Ratio

Leveraging Li-ion batteries, POWER UNIT LITE delivers an unprecedented amount of power compared to its small size.

Versatile

Having a separate DC output and two back-to-back connected data connectors, which individually can be PoE enabled, POWER UNIT LITE can be used in multiple applications such as powering wireless access points, surveillance cameras, wireless bridges and repeaters, cable modems, and remote lighting systems.

Smart Power Unit

POWER UNIT LITE has built-in IOT capabilities including remote monitoring capabilities. The Smart Power feature can be demonstrated and will soon be available on trial mode on request.

BLUETOWN is committed to Connecting the Unconnected in a financially and environmentally sustainable manner. POWER UNIT LITE is designed for energy efficiency and compatibility with a wide range of solar panels, thus mitigating the emissions and air pollution caused by diesel powered

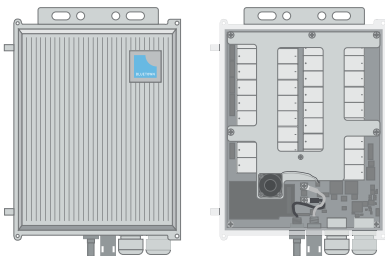
connectivity infrastructure. Each POWER UNIT LITE saves 146.88 kg of CO2 emissions per year, thereby contributing to the achievement of Sustainable Development Goal 7.



DATASHEET

BLUETOWN POWER UNIT LITE

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BLUETOWN POWER UNIT LITE Technical specifications		
NETWORK	ETHERNET PORTS:	<ul style="list-style-type: none"> 2x Gigabit Ethernet, connected back-to-back
POWER	INPUT POWER:	<ul style="list-style-type: none"> Voltage: 27VDC (max) Current: 5.5A (max)
	POWER SOURCES:	<ul style="list-style-type: none"> Solar panels AC/DC adapter (external accessory)
	OUTPUT POWER:	<ul style="list-style-type: none"> 48 VDC +/- 1.0V: Max Power 24W 24 VDC +/- 0.5V: Max Power 12W
	OUTPUT TERMINALS:	<ul style="list-style-type: none"> 1 x DC: +48 VDC 2 x data connectors with passive PoE: <ul style="list-style-type: none"> One (1) PoE port with +48 VDC One (1) Port with +24 VDC Each PoE can be turned off or on individually.
	INPUT TERMINALS:	<ul style="list-style-type: none"> 2 x DC MC4 connectors (male/female)
	SOLAR PANEL SPECIFICATIONS:	<ul style="list-style-type: none"> 36 cell panels Minimum Vmp: 18V Maximum Voc: 27V
	POWER USAGE:	<ul style="list-style-type: none"> Controller self-consumption: <0.9W
BATTERY	TYPE:	<ul style="list-style-type: none"> Lithium-ion 18650 cells 3.6V, 3,400mAh is recommended
	CAPACITY:	<ul style="list-style-type: none"> 150Wh/300Wh, dependent on configuration
	VOLTAGE:	<ul style="list-style-type: none"> Battery voltage: 11V nominal
	NOT INCLUDED:	<ul style="list-style-type: none"> Lithium-ion batteries are not included in the product. Refer to accessory options for battery selection.
PHYSICAL	MOUNTING:	<ul style="list-style-type: none"> Tower, pole, wall
	DIMENSIONS:	<ul style="list-style-type: none"> Height: 27cm/10.6in Width: 21.4cm/8.4in Depth: 9cm/3.5in
	OPERATING TEMPERATURE:	<ul style="list-style-type: none"> Charging: +0°C to +45°C Discharging: -20°C to +60°C
	WEIGHT:	<ul style="list-style-type: none"> Enclosure: 1 kg excluding batteries 150Wh battery configuration: 810 grams 300Wh battery configuration: 1,620 grams
	BOX IP-RATING:	<ul style="list-style-type: none"> IP65
	MATERIAL (BOX):	<ul style="list-style-type: none"> Die-cast aluminum, stainless steel
MODELS	MODEL NUMBER:	<ul style="list-style-type: none"> BT-830-00052
WARRANTY		<ul style="list-style-type: none"> 3-year hardware warranty
IMAGE		





DATASHEET

BLUETOWN POWER UNIT LITE



SOLAR POWER OPTIONS

BLUETOWN offers a full solar panel and pole mounting solution that allows you to install and operate Power Unit Lite with any supported network equipment in any location. Please refer to the datasheet on **BLUETOWN Solar** for more information on the product range.

ACCESSORY OPTIONS		
Select any of the accessory options below.		
	ACCESSORY OPTION 1 Li-Ion 18650 batteries	Lithium-ion 18650 3.6V, 3,400mAh battery cell. 18 batteries required for 150 Wh configuration. 36 batteries required for 300 Wh configuration. Part#: BT-740-00018
	ACCESSORY OPTION 2 AC Power Support, 100/240VAC	AC Power Support for Power Unit Lite. One (1) AC power adapter 100/240VAC with MC4 connectors for Power Unit Lite. Part#: BT-840-00008
	ACCESSORY OPTION 3 Back Bracket for 2-4in pole (x2 per Power Unit Lite)	The Back Bracket is a stainless steel bracket that fits all BLUETOWN-produced boxes that need to be attached to 2-4" in diameter poles (50-110mm). Part#: BT-840-0015
	ACCESSORY OPTION 4 Fuse Pack for Power Unit Lite.	Bag of extra fuses for Power Unit Lite. Part#: BT-840-00014