

BTC POWER

# eBox Professional

Level 2 Indoor/Outdoor EVSE Unit

Up to 12 kW



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## Parameters

Input/Output Power	208 Volt AC WYE system, Up to 50 A, 10.4 kW 240 Volt AC split phase, Up to 50 A, 12 kW 240 Volt AC Center Tap Delta, Up to 50 A, 12 kW
Max line cross section	Max supply line (top or bottom entry): 3x AWG4 (10 mm <sup>2</sup> ) for L1, L2, and Ground
Applications	Indoor/Outdoor EVSE
Enclosure Rating	Type NEMA 3S
Operating temperature	-22 °F to 122 °F (-30 °C to +50 °C) full load Thermal overload protection: output power reduced at higher temperatures
Storage temperature	-22 °F to +176 °F (-30 °C to +80 °C)
Air humidity	5 % to 95 % as defined under IEC 61851-1 Ed.3/EN 61851-1 (2017)
Max altitude above sea level	Max 6,500 ft (2,000 m)
Protection category (impact strength)	IK10 as defined under IEC 62262:2002
Weight	eBox Professional: 20lbs with SAE Cable eClick: 2.2 lbs
Number of connectors	1x Type 1 plug as defined under SAE J1772
Cable length	24.6' (7.5 m)
Packaging dimensions (W x D x H)	eBox: 27.4" x 14.6" x 9.3" (695 mm x 370 mm x 235 mm) eClick: 20.3" x 8.9" x 3" (515 mm x 225 mm x 75 mm)
Certification	UL/FCC Certificate

## Working Conditions

Vehicle communication	Charging current controlled via PWM pilot signal in accordance with IEC 61851-1:2017, SAE J1772
Backend communication	WLAN with 2.4 GHz IEEE 802.11 b/g/n with WPA2 or LAN or Cellular (4G)
Communication protocol	OCPP 1.6J to Central System

## Recommended Additional Accessories

Short circuit / overload protection installed in sub-distribution per charge port	Circuit breaker required according to national law and regulations. Electrical installer to choose correct circuit breaker depending on grid type and power.
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## Misc Notes

Use Cases	Fleet, CPO, General
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