BTC POWER

TECHNICIAN CERTIFICATION COURSE

The BTC Power Technician Certification Course is in-depth training on how to service and repair BTC Power Chargers.

Upon completion of the course, the technician will be certified to work on BTC Power chargers.

The course costs are as follows:

$2,250 per technician

The training course spans three days, and lunch is provided.

Reach out to your BTC POWER point of contact or email training@btcpower.com to inquire about class availability.

BTC POWER TRAINING GUIDELINES

Contents

REQUIRED PREREQUISITES

This course offered by BTC POWER is designed for skilled technicians to learn our product operation and repair procedures. This course does not teach basic technician skills.

To attend this course and get the most value, we require technicians to come to class already possessing the following basic skills and knowledge:

1. OSHA Safety training:
    a. There are many online OSHA-10 courses that cover important safety topics.
2. Basic hand tool use.
3. Torque wrench use.
4. Meter setting for AC/DC Voltage and continuity.
    a. Fluke offers an online course that covers these meter settings and use.
5. We require a sign-off from your present supervisor or manager that you meet all these criteria.

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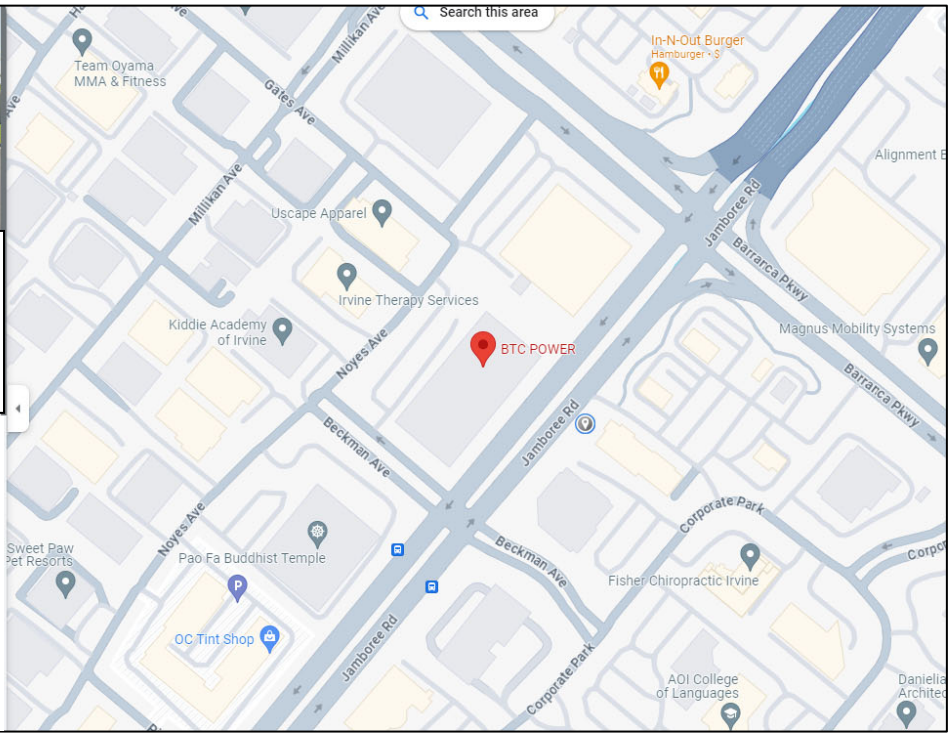
TRAINING LOCATION

BTC Power
16661 Jamboree Rd
Irvine, CA 92606



PAYMENT POLICIES & CONDITIONS

Payment is required at least four weeks in advance of training. Failure to pay in advance will forfeit your registration.

- Payment may be made by check, wire transfer, ACH, or credit card.
  - If paying by credit card, there is a 3% processing fee.
  - Credit card information must be provided at the time of registration.
    - If no payment is received by the payment due date, the credit card will be charged.
  - Class seats are reserved once payment is processed
- Cancellation/Rescheduling Terms:
  - Registration for classes may be cancelled four weeks prior to the date of training, without cancellation fees.
  - If the class has been prepaid, you may:
    - receive a full refund, or
    - reschedule for a future class
  - Cancellations with greater than two weeks' notice from the first day of training will forfeit 50% of the fee.
    - The remaining 50% balance of the prepayment may be applied to a future class or refunded.
  - Cancellations within two weeks of the first day of training are non-refundable and registration will be forfeited.

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AIRPORTS

AIRPORT CODE	NAME	DISTANCE	NOTES
SNA	John Wayne/Santa Ana	5 miles	Highly Recommended
LGB	Long Beach Airport	23 miles	25 to 40 minute commute
LAX	Los Angeles International	43 miles	60 to 90 minute commute
ONT	Ontario	38 miles	

HOTEL RECOMMENDATIONS

NAME	Cost Est*	ADDRESS	PHONE	WEBSITE
Embassy Suites by Hilton (2miles/5 min)	$155 to $180	1325 E. Dyer Road Santa Ana, CA 92705	714-241-3800	Embassy Suites by Hilton Santa Ana Orange County Airport - Google hotels
Residence Inn by Marriott (4miles/8 min)	$185 to $255	15181 Newport Ave Tustin CA 92780	714-258-9700	Residence Inn by Marriott Tustin Orange County - Google hotels
Fairfield Inn and Suites by Marriott (4 miles/8 min)	$251 to $271	15011 Newport Ave Tustin, CA 92780	714-258-9900	Hotel near Santa Ana, CA | Fairfield Inn & Suites Tustin Orange County (marriott.com)

*Estimates only, pricing varies, please contact the hotels for exact cost.

CLASS START & END TIMES

Class runs from 8AM to 5PM.

DRESS CODE

Dress appropriately for working on AC and DC chargers. **Electrical Hazard rated safety toe footwear and safety glasses are required.**

LUNCH

Lunch is provided during all three days of technician training.

MANUALS

Field guides for our chargers are provided to each student. Students are also provided electronic access to BTC Power charger service information. Bring a backpack to carry all the literature home.

CERTIFICATES

Each student is provided with a personalized certificate of completion identifying the expiration date of their certification.

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3-DAY TECHNICIAN TRAINING OUTLINE

DAY	TOPICS	HANDS-ON
Day 1 Introduction & AC Level 2	A. Introduction to EV Charging & BTC Power Chargers B. Safety Review C. Review required service tools and equipment D. Case Management E. Documentation F. Level 2 Chargers a. Specifications b. Theory of Operation c. Commissioning d. Troubleshooting	1. Tour of the BTC Power Facility and Product Line 2. Documentation Access 3. Voltage Check 4. Charge Cable Remove & Install 5. Display Replacement
Day 2 DC Level 3	A. Introduction to Level 3 Chargers B. AC Input C. Step-down Transformers D. Power Supplies E. AC to DC Power Conversion F. Soft Start G. Bleed Resistors H. Safety Relay, Safety Loops & Relays I. External Charger Anatomy J. Cooling K. Charge Plugs and Communications L. SECC Cards	6. Adjusting power supplies 7. Understanding Safety Loop Components & Function 8. Configuring SECC Cards
	HPC Distributed Chargers (Gen2) A. Specifications B. Anatomy C. Charge Strategies D. Component Maintenance Schedule E. MCU's & Thermistor Landings & Settings F. Safety Relay Operation G. Power Module Anatomy H. Commissioning Issues	**Tower** 9. MCU 4.3 Dip Switch Settings 10. Fan Testing and Override 11. Air Filter Access 12. CAN Bypass for Testing 13. Voltage Check 14. Power Module Address Setting 15. Power Module Rebuild 16. Torque Wrench Use **Dispenser** 17. MCU Thermistor Landings, Jumpers, and Dip Switch Settings 18. SECC Replacement & Settings 19. Liquid Cooled Pump Manual Override 20. MCU Hex Code Programming 21. A full commissioning of a tower and dispenser

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Day 2 **DC Level 3** **Continued**		22. CCS1 Liquid Cooled Charge Plug terminal replacement 23. CCS1 Liquid cooled charge cable remove and install 24. Cooling system maintenance
	100kW All In One Overview	25. HPC Comparison
	VOLTA A. Overview *ONLY for technicians that work on Volta.*	26. Dispenser Address Setting on Superboard 1.0
Day 3 **DC Level 3** **GEN 4**	**360kW Distributed Charger** A. Specifications B. Anatomy C. Charge Strategies D. Safety Operation E. Commissioning Issues	**Tower 4.0/4.1** 27. Power Module Remove & Install 28. Control Box Access 29. Air Filter Access **Dispenser** 30. IMD Programming 31. Meter Programming 32. Air Filter Access
	180kW All In One A. Specifications B. Anatomy C. Charge Strategies D. Component Maintenance Schedule E. MCU's & Thermistor Landings & Settings F. Power Module Anatomy G. Commissioning Issues	33. Fan Module and Air Filter Remove and Install 34. Power Module Access 35. Liquid Cooling Unit Access 36. Charge Cable Access 37. IMD and DC Contactor Access

These chargers and hands-on activities can be included in a private class. Notify BTCPOWER Training in advance.

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Regular 50kW A. Specifications B. 208V & 480V C. Anatomy D. Component Maintenance Schedule **<u>ONLY covered by Special request and when a private class is purchased.</u>**	38. Voltage Check 39. Removing Residual Power When a Fuse is Blown 40. Upper Fan Access 41. CHAdeMO Cable Replacement 42. Power Supply Test
Slim 50kW A. Specifications B. 208V & 480V C. Anatomy D. Component Maintenance Schedule **<u>ONLY covered by Special request and when a private class is purchased.</u>**	43. Transformer & Inductor Access 44. Counterweight Paracord Access