

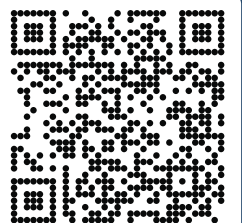


BLUETECH

CHARGING SOLUTIONS

SOLARICS

THE ENERGY
TECHNOLOGY OF THE FUTURE



BLUETECH

CHARGING SOLUTIONS

Brief:

Bluetech is a leading technology company with a vision to create pioneering and reliable fast DC charging stations for electric vehicles (Evs). Established in 2006 in Munich, Germany, Bluetech is committed to delivering products of the highest standards in energy efficiency, performance, and reliability. With its profound industry experience and innovative approach, Bluetech rapidly evolved into a global solution provider, offering swift, alternative and steadfast solutions to prominent firms through its well-equipped infrastructure.

The company successfully completed its first inverter product in 2012 and ventured into the solar inverter field in 2016, marking a significant milestone. Since 2019, Bluetech has embarked on the development of DC and AC charging solutions for electric vehicle charging stations and today, it offers services through its self-designed DC and AC charging stations.

Our Mission:

At Bluetech, our mission is to lead the energy transformation by providing advanced charging solutions for sustainable and eco-friendly electric vehicles. Through our high-quality products, we aim to set industry standards in energy efficiency, performance and reliability, while maintaining our position as leaders in this field. Customer satisfaction is paramount and we strive to integrate technological innovations tailored to our customers' needs to earn their trust.

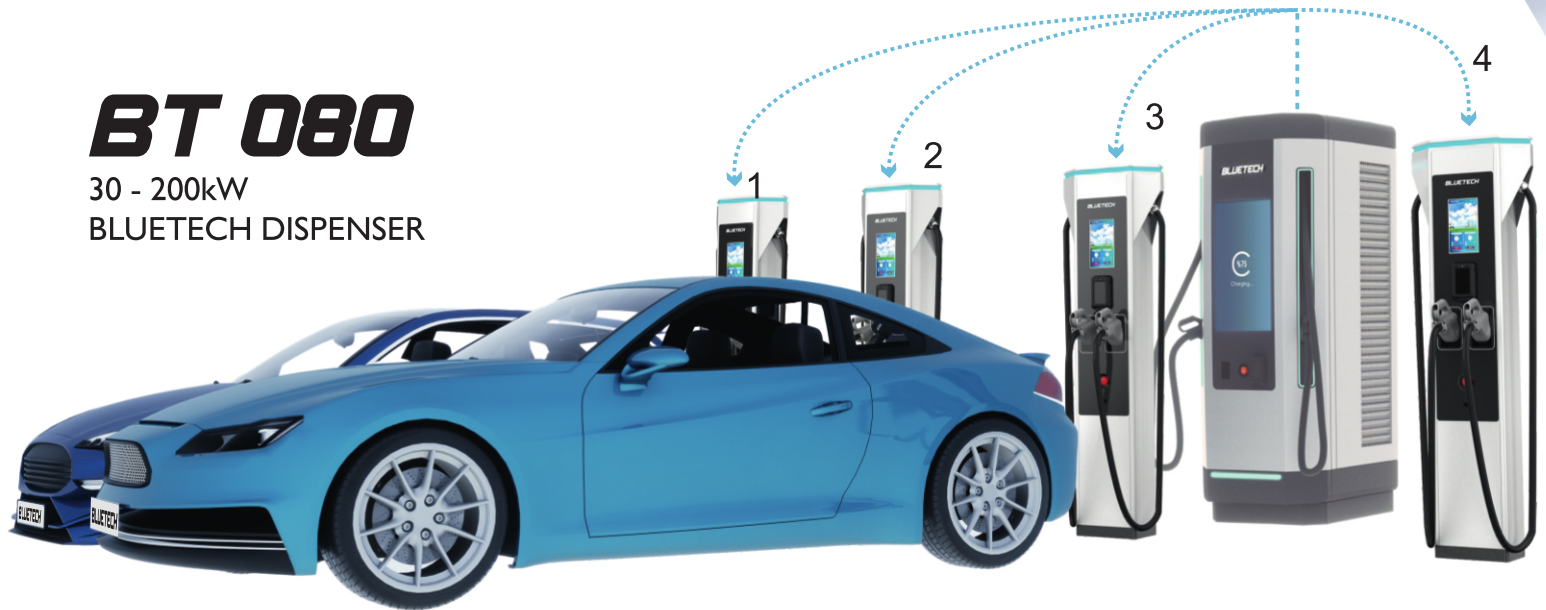
Our Vision:

Our vision at Bluetech is to stand at the forefront of the energy transformation, inspiring and making a difference in the industry. By pioneering technological advancements, continuously enhancing existing solutions, and establishing new benchmarks through innovative approaches, we aspire to lead the sector. We intend to shape the future of the industry by providing solutions that combine energy efficiency, safety and performance through our proprietary designs. Additionally, we aim to raise awareness about environmental consciousness and sustainability by taking a pioneering role in various projects, contributing to a cleaner and greener future.

Aligned with this mission and vision, Bluetech diligently tracks technological advancements, supports innovation and offers the highest-quality eco-friendly charging solutions to customers, all with the aim of fostering a sustainable energy future.

BT 080

30 - 200kW
BLUETECH DISPENSER



- Offers fast charging capability, allowing many vehicles to be charged simultaneously.
- Advanced battery metering and chemical analysis system.
- Operates with high efficiency, allowing electric vehicles to be charged in a shorter time.
- Integrated smart management system optimizes energy distribution and can be controlled remotely via a network.
- Designed to withstand outdoor conditions, Bluetech Dispenser ensures long-lasting and reliable performance.
- Ability to manage and monitor with smartphone.

BLUETECH CHARGING BT 080 (30-200 kW)

Technical Features

Charging Technology	Ultra Fast Smart Charging System
Output Power	30-200 kW
Output Voltage Range	150 - 1000 VDC
Power Management	Included
Socket Type	CCS2
Socket Number	1 Vehicle
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Screen	10.1" High resolution daylight touch screen and status led
Cooling	Closed circuit liquid cooling or open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	80 kg (approx. - depending on power)
Dimensions (HxWxD)	1700 x 300 x 240 mm (approx.)

BT 100

22kW BLUETECH AC CHARGING STATION

- Smarter Charging
- Ability to manage and monitor with smartphone
- Prepared to be integrated into an advanced smart building energy system
- Current limiting protection enables maximum charging power without causing tripping, in line with the building's electrical distribution system design
- Equipped with a range of accessories



BLUETECH CHARGING BT 100 (22 kW)

Technical Features

Charging Technology	Mode 3, Level 2
Input/Output Power Rating/Current	Single phase up to 7.4 kW / 32 A Three phase up to 22 kW / 32 A UL variants up to 19 kW / 80 A
Input/Output Voltage	IEC: Single phase: 184-276 V, 50/60 Hz UL: Single / Split phase: 208 - 240 V, 50/60 Hz IEC: Three phase: 320-480 V, 50/60 Hz
Socket Type	Type 2
Protection	Overcurrent, overvoltage, undervoltage, ground fault
Screen	Optional 5" LED - LCD High resolution daylight screen

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application
Energy Metering	Optional integrated MID metering

Physical Properties

Environmental Protection	IP-54 Ik10
Cable Length	On Request
Net Weight	4 kg (approx.)
Dimensions (HxWxD)	400 x 240 x 110 mm (approx.)
Pedestal (HxWxD)	Optional 1400 x 120 x 60 mm (approx.)

BT 110

22kW BLUETECH AC CHARGING STATION

- Smarter Charging
- Ability to manage and monitor with smartphone
- Prepared to be integrated into an advanced smart building energy system
- Current limiting protection enables maximum charging power without causing tripping, in line with the building's electrical distribution system design
- Equipped with a range of accessories



BLUETECH CHARGING BT 110 (22 kW)

Technical Features

Charging Technology	Mode 3, Level 2
Input/Output Power Rating/Current	Single phase up to 7.4 kW / 32 A Three phase up to 22 kW / 32 A UL variants up to 19 kW / 80 A
Input/Output Voltage	IEC: Single phase: 184-276 V, 50/60 Hz UL: Single / Split phase: 208 - 240 V, 50/60 Hz IEC: Three phase: 320-480 V, 50/60 Hz
Socket Type	Type 2
Protection	Overcurrent, overvoltage, undervoltage, ground fault
Screen	Optional 5" LED - LCD High resolution daylight screen

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application
Energy Metering	Optional integrated MID metering

Physical Properties

Environmental Protection	IP-54 Ik10
Cable Length	On Request
Net Weight	12 kg (approx.)
Dimensions (HxWxD)	400 x 260 x 150 mm (approx.)
Pedestal (HxWxD)	Optional 1400 x 120 x 60 mm (approx.)

BT 120

22kW
BLUETECH
AC CHARGING STATION

- Smarter Charging
- Ability to manage and monitor with smartphone
- Prepared to be integrated into an advanced smart building energy system
- Current limiting protection enables maximum charging power without causing tripping, in line with the building's electrical distribution system design
- Equipped with a range of accessories



BLUETECH CHARGING BT 100 (22 kW)

Technical Features

Charging Technology	Mode 3, Level 2
Input/Output Power Rating/Current	Single phase up to 7.4 kW / 32 A Three phase up to 22 kW / 32 A UL variants up to 19 kW / 80 A
Input/Output Voltage	IEC: Single phase: 184-276 V, 50/60 Hz UL: Single / Split phase: 208 - 240 V, 50/60 Hz IEC: Three phase: 320-480 V, 50/60 Hz
Socket Type	Type 2
Protection	Overcurrent, overvoltage, undervoltage, ground fault

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application
Energy Metering	Optional integrated MID metering

Physical Properties

Environmental Protection	IP-54 Ik10
Cable Length	On Request
Net Weight	5 kg (approx.)
Dimensions (HxWxD)	460 x 300 x 140 mm (approx.)
Pedestal (HxWxD)	Optional 1400 x 120 x 60 mm (approx.)

BT 130

30 - 40kW
BLUETECH FAST
DC CHARGING STATION

- Single Port
- Fast Charging Station solution
- Advanced battery metering and chemical analysis system
- Online battery analysis
- High efficiency cooling system
- Inox slim body design
- Ability to manage and monitor with smartphone



Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT 130 (30 - 40kW)

Technical Features

Charging Technology	Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	30-40 kW
Output Voltage Range	150 - 1000 VDC
Socket Type	CCS2
Socket Number	1 Vehicle
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced
Voltage Protection	Current Over Voltage Category III DIN EN 60664-1
Screen	5" LED - LCD High resolution daylight screen
Cooling	Open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	IP-54
Cable Length	4 m
Net Weight	55 kg (approx. - depending on power)
Pedestal (HxWxD)	Optional 1400 x 400 x 300 mm (approx.)

BT 230

30 - 120kW
BLUETECH FAST
DC CHARGING STATION

- Single Port
- Fast Charging Station solution
- Advanced battery metering and chemical analysis system Online battery analysis
- High efficiency cooling system
- Optional Inox slim body design
- Ability to manage and monitor with smartphone



Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT 230 (30 - 120kW)

Technical Features

Charging Technology	Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	30-120 kW
Output Voltage Range	150 - 1000 VDC
Power Management	Included
Socket Type	CCS2
Socket Number	1 Vehicle
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced
Voltage Protection	current Over Voltage Category III DIN EN 60664-1
Screen	10.1" LED - LCD High resolution daylight touch screen
Cooling	Open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	95 kg (approx. - depending on power)
Dimensions (HxWxD)	1600 x 314 x 600mm (approx.)

BT 240

140 - 320kW
BLUETECH FAST
DC CHARGING STATION

- Single Port
- Fast Charging Station solution
- Advanced battery metering and chemical analysis system Online battery analysis
- High efficiency cooling system
- Optional Inox slim body design
- Ability to manage and monitor with smartphone



Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING STATION BT 240 (140 - 320 kW)

Technical Features

Charging Technology	Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	140-320 kW
Output Voltage Range	150 - 1000 VDC
Power Management	Included
Socket Type	CCS2
Socket Number	1 Vehicle
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced
Voltage Protection	current Over Voltage Category III DIN EN 60664-1
Screen	10.1" LED - LCD High resolution daylight touch screen
Cooling	Open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	95 kg (approx. - depending on power)
Dimensions (HxWxD)	1980 x 400 x 730mm (approx.)

BT 300

60 - 160kW
BLUETECH FAST DC CHARGING STATION

- Double Port
- Fast Charging Station solution
- Advanced battery metering and chemical analysis system
- Online battery analysis
- High efficiency cooling system
- Optional Inox slim body design
- Can charge up to 2 vehicles at the same time
- Ability to manage and monitor with smartphone



Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT300 (60-160 kW)

Technical Features

Charging Technology	Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	60-160 kW (Half of the total power for each output)
Output Voltage Range	150 - 1000 VDC
Socket Type	2 x CCS2
Socket Number	2 Vehicles
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced
Voltage Protection	current Over Voltage Category III DIN EN 60664-1
Screen	10.1" LED - LCD High resolution daylight touch screen
Cooling	Open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	120 kg (approx. - depending on power)
Dimensions (HxWxD)	1900 x 400 x 680mm (approx.)

BT 310

180 - 320kW

BLUETECH FAST DC CHARGING STATION

- Double Port
- Fast Charging Station solution
- Advanced battery metering and chemical analysis system
- Online battery analysis
- High efficiency cooling system
- Optional Inox slim body design
- Can charge up to 2 vehicles at the same time
- Ability to manage and monitor with smartphone



Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT310 (180-320 kW)

Technical Features

Charging Technology	Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	180-320 kW (Half of the total power for each output)
Output Voltage Range	150 - 1000 VDC
Socket Type	2 x CCS2
Socket Number	2 Vehicles
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced current
Voltage Protection	Over Voltage Category III DIN EN 60664-1
Screen	10.1" LED - LCD High resolution daylight touch screen
Cooling	Open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	240 kg (approx. - depending on power)
Dimensions (HxWxD)	1985 x 400 x 730mm (approx.)

BT 320

120 - 800kW
BLUETECH HYPERFAST
DC CHARGING STATION

- Double port
- Fast Charge Station solution
- Advanced battery metering and chemical analysis system
- Online battery analysis
- Central cooling system
- Can charge up to 2 vehicles at the same time
- Optional Inox slim body design
- Ability to manage and monitor with smartphone
- Intelligent advertising management system



Smart Power Management

By connecting to the charging station, the amount of power not used by any vehicle being charged can be distributed to other outlets. (Ex: while a 150kW vehicle is being charged, the remaining 250kW can be supplied from other outlets if needed.)

Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT320 (120-800 kW)

Technical Features

Charging Technology	Ultra Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	120-800 kW
Output Voltage Range	150 - 1000 VDC
Power Management	Included
Socket Type	CCS2
Socket Number	2 Vehicles
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced current
Voltage Protection	Over Voltage Category III DIN EN 60664-1
Screen	32" LED - LCD High resolution daylight touch screen / Full HD LED Advertising
Cooling	panel Closed circuit liquid cooling or open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	690 kg (approx. - depending on power)
Dimensions (HxWxD)	Dimensions (HxWxD) 2200 x 908 x 792 mm (approx.)

BT 420

60 - 320kW BLUETECH FAST DC CHARGING STATION

- Double Port
- Bi-directional ultra-fast charging technology
- Advanced battery metering and chemical analysis system
- Online battery analysis
- Central cooling system
- Can charge up to 2 vehicles at the same time
- Optional Inox slim body design
- Ability to manage and monitor with smartphone
- Intelligent advertising management system



Smart Power Management

By connecting to the charging station, the amount of power not used by any vehicle being charged can be distributed to other outlets. (Ex: while a 150kW vehicle is being charged, the remaining 250kW can be supplied from other outlets if needed.)

Variable Frequency Pulse Charge

The optimum pulse charge frequency is constantly determined and optimized to distribute the ions contained in the electrolyte more evenly.

BLUETECH CHARGING BT420 (60-320 kW)

Technical Features

Charging Technology	Ultra Fast Smart Charging System
Input Voltage	400 VAC \pm 10% (50 Hz or 60 Hz) - CE Version
Output Power	60-320 kW
Output Voltage Range	150 - 1000 VDC
Power Management	Included
Socket Type	CCS2
Socket Number	2 Vehicles
Connection Type	Ethernet, Optional 4G/LTE Modem
Communication Protocol	OCPP 1.6 customer integration
Current Protection	Overcurrent, pulse current, short circuit, leakage current, unbalanced current
Voltage Protection	Over Voltage Category III DIN EN 60664-1
Screen	55" Double LED - LCD High resolution daylight touch screen / Full HD LED Advertising panel
Cooling	Closed circuit liquid cooling or open circuit air cooling

Management Features

Central Management	Station control, charge status control and payment transactions via mobile application
Limit Control	Transaction limit via mobile application
Remote Control	Remote charging start and end feature with mobile application
Software Update	Remote update via web portal, OCPP 1.6
Usage Reports	Ability to view historical usage reports through mobile application
Authorization	Only authorized persons can charge with an authorized RF Card or mobile application

Physical Properties

Environmental Protection	Indoor IP-54 / Outdoor IP-65
Cable Length	4 m
Net Weight	500 kg (approx. - depending on power)
Dimensions (HxWxD)	2010 x 874(1144) x 372 mm (approx.)



BT 500

UP TO 750 kW
FOR HEAVY
COMMERCIAL VEHICLES

- Our product is designed to function flawlessly even under various weather conditions. Its robust build and weather-resistant features ensure smooth operation during rain, snow, or extreme temperatures. With a durable and reliable design, our product guarantees uninterrupted performance, providing peace of mind and convenience to users, no matter the weather outside.

BLUETECH CHARGING POWER UNIT 500 SERIES

ELECTRICAL SPECIFICATIONS

POWER LEVEL	240kW for B - Series 360kW for C - Series 400kW for D - Series 480kW for E - Series 600kW for F - Series 720kW for G - Series
INPUT VOLTAGE	260VAC-485VAC Eu version; 260VAC-530VAC NA version;
INPUT FREQUENCY	50Hz +/- 10% Europe 55Hz +/- 10% NA

ELECTRICAL SPECIFICATIONS

POWER LEVEL	480A for B - Series 720A for C - Series 800A for D - Series 960A for E - Series 1200A for F - Series 1440A for G - Series
POWER FACTOR	>0.99
INPUT UNDER VOLTAGE PROTECTION	Ethernet
INPUT OVER VOLTAGE PROTECTION	IPV4/DHCP
LOAD ADJUSTMENT LATENCY	30 Seconds

SAFETY & CERTIFICATION

COMPLIANCE TO STANDARDS	EMC Directive EU 2014/30/EU - IEC 61851-21-2:2018, class A LV Directive 2014/35/EU - EN 61439-1/2:2021 RoHS Directive
WARRANTY	Standard 2-year warranty

PHYSICAL PROPERTIES

COOLING	Open circuit air cooling
ENCLOSURE RATING	IP54, Ik10
ACCOUSTIC NOISE	Variable under load: <65dB @ 1m max
DIMENSIONS (mm)	(HxWxD) 1600x314x580

OPERATING ENVIRONMENT

OPERATING TEMPERATURE	-30°C to +70°C ,derates from 50°C
STORAGE TEMPERATURE	-40°C to +75°C
HUMIDITY	≤95 % RH, without condensation

BLUETECH

CHARGING SOLUTIONS



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Address Location :

R&D : Bilişim Vadisi - Muallimköy Mah. Deniz Cad. No: 143/5 A1 Blok Kat: 7 Gebze / KOCAELİ / TÜRKİYE
Factory: Çerkeşli Mh. İmes OSB 23. Cd. No:4 Dilovası / KOCAELİ / TÜRKİYE

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