

DATA SHEET: BDC RANGE



CHARGING INTO THE FUTURE

SUPER RAPID DC-CHARGER MODELS

150KW – 180KW – 240KW			60KW - 90KW - 120KW				
Models	BDC150-D	BDC180-D	BDC240-D	Models	BDC60-D	BDC90-D	BDC120-D
							

Structure Description

Shell Material	Sheet Meal	
Dimension	800*800*1800(L*W*T)	
Weight	≤500kG	
Installation Method	Floor-stand Type	
Cable Routing	Bottom Inlet Wiring-Up Outlet Wiring	
Cable Length	5 M	
Charging Outlets	Double (CCS1+CCS1)	Double (CCS1+CHADEMO) Double (CCS2+CHADEMO (ALL VARIATIONS))
Connectivity Authorization	RFID, App	
Screen	9.1 Inch LCD Screen/LED Light	

Electrical Specification

AC Input Voltage	AC380V±15% ,3P+N+PEAC		
Input Frequency	50Hz/60Hz		
Consumption	≤24wh		
Rated Power	60Kw -90Kw-120kw		150Kw-180Kw-240Kw
Output Voltage Range	CCS1/CCS2/GBT: 150Vdc –1000Vdc; CHADEMO: 150Vdc – 500Vdc		
Output Current	CCS1/CCS2/GBT:0~250A; CHADEMO:0~125A		
Efficiency	≥95%		
Power Factor	≥0.99(load:100%)		

Communication


OCPP	OCPP 1.6
Network Interface	Ethernet/4G

Environment Condition

Application Place	Indoor/Outdoor
Working Latitude	<2000m
Working Temperature	-30°C~+55°C
Working Humidity	5%~95%
Protection Level	IP55
Natural Cooling	Forced-air Cooling
MTBF	24 Months Warranty
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightning Surge Protection



CERTIFICATE
of Conformity
EC Council Directive 2014/53/EU
of Radio Equipment



Registration No.: AT 50604603 0001
Report No.: CN23P9VL 002

Holder: **BP INNOVATIONS LTD**
71-75 Shelton Street
LONDON
WC2H 9JQ
United Kingdom


Product: **EV charging station**
(DC EV Charging Station)

Identification: BADCa-D,
a can be (62,82,102,112,142,172,182,202,232,262),
BADCB-S,
b can be (52,62,82,102,112,142,172,182,202,232,262),
BDDC-D,
c can be (40,60,80,90,120,150,160,180,210,240),
BDDCB-S,
d can be (30,40,60,80,90,120,150,160,180,210,240)
Continued on page 0002

Tested acc. to: EN 301511 V 12.5.1:2017

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. This is to certify that the tested sample is in conformity with all provisions of Article 3 of Council Directive 2014/53/EU. This certificate does not imply assessment of the production and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate as part of the technical documentation and in combination with the EC Declaration of Conformity.


Date **18.10.2023**

Certification Body

Tongle Lee

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Phone: (+49 221) 806-1371 Fax: (+49 221) 806-3935 e-mail: cert-validity@de.tuv.com http://www.tuv.com/safety

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

CERTIFICATE
of Conformity
EC Council Directive 2014/53/EU
of Radio Equipment



Registration No.: AT 50604603 0002
Report No.: CN23P9VL 002

Holder: **BP INNOVATIONS LTD**
71-75 Shelton Street
LONDON
WC2H 9JQ
United Kingdom


Product: **EV charging station**
(DC EV Charging Station)

Identification: Continuation
Serial Number: Engineering sample
Continued on page 0003

Tested acc. to: EN 301908-1 V 15.1.1:2021
EN 301908-2 V 13.1.1:2020
EN 301908-13 V 13.1.1:2019
EN 300330 V 2.1.1:2017
EN IEC 62311:2020
EN IEC 61851-21-2:2021

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. This is to certify that the tested sample is in conformity with all provisions of Article 3 of Council Directive 2014/53/EU. This certificate does not imply assessment of the production and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate as part of the technical documentation and in combination with the EC Declaration of Conformity.


Date **18.10.2023**

Certification Body

Tongle Lee

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Phone: (+49 221) 806-1371 Fax: (+49 221) 806-3935 e-mail: cert-validity@de.tuv.com http://www.tuv.com/safety

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

CERTIFICATE
of Conformity
EC Council Directive 2014/53/EU
of Radio Equipment



Registration No.: AT 50604603 0003
Report No.: CN23P9VL 002

Holder: **BP INNOVATIONS LTD**
71-75 Shelton Street
LONDON
WC2H 9JQ
United Kingdom


Product: **EV charging station**
(DC EV Charging Station)

Identification: Continuation
Remark(s): Refer to test report CN23P9VL 002 for details.

Tested acc. to: EN 301489-1 V 2.2.3:2019
EN 301489-3 V 2.1.1:2019
EN 301489-52 V 1.2.1:2021
EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019
EN IEC 61851-1:2019
EN 61851-23:2014
EN 61851-24:2014

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. This is to certify that the tested sample is in conformity with all provisions of Article 3 of Council Directive 2014/53/EU. This certificate does not imply assessment of the production and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate as part of the technical documentation and in combination with the EC Declaration of Conformity.

Date **18.10.2023**

Certification Body

Tongle Lee

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Phone: (+49 221) 806-1371 Fax: (+49 221) 806-3935 e-mail: cert-validity@de.tuv.com http://www.tuv.com/safety

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

BP INNOVATIONS LTD

www.ev-1.co.uk

admin@ev-1.co.uk

Welcome to BP Innovations Ltd
Pioneering Innovation for a better tomorrow