KUGA ELECTRICAL

DATASHEET

KUGA 2 GUNS DC EV CHARGING STATION

60kW - 240kW

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PRODUCT OVERVIEW

The Kuga DC EV Charging Station boasts a remarkable 7-inch touch screen for effortless control. It comes with a range of certifications including CE, CB, UKCA, TUV, and RoHS, and offers robust full protection features. With convenient app control and Ethernet/4G connectivity, you can charge your EV with confidence and efficiency.

PRODUCT ADVANTAGES

- IP55 Rating
- Ethernet/4G/Wifi
- Full Protection
- OCPP 1.6J
- RFID
- APP Control
- 7-inch Touch Screen

KUGA 2 GUNS DC EV CHARGING STATION

60kW / 90kW / 120kW

Charging Station Units	BDC60-D-UL	BDC90-D-UL	BDC120-D-UL

Structure Description			
Shell Material	Sheet Metal		
Charger Unit Dimensions	800mm x 800mm x 1800mm(LxWxH)		
Charger Unit Weight	≤340kG	≤360kG	≤380kG
Installation Method	Floor-stand Type		
Cable Routing	Bottom Inlet Wiring, Outlet Wiring		
Cable Length	5 M		
Charging Outlets	Double(CCS1+CCS1)		
Connectivity Authorization	RFID, App		
Screen	7-Inch LCD Screen/LED Light		

Electrical Specification			
Power System	IT TT TN-C-S		
Rated Input Current	80A	120A	160A
AC Input Voltage	AC480V±15% ,3-phase		
Input Frequency	50Hz/60Hz		
Wiring Method	L1 L2 L3 PE		
Consumption	≤24W		
Rated Power	60kW	90kW	120kW
Output Voltage Range	CSS1: 150Vdc-1000Vdc		
Output Current	CCS1:0~200A	CCS1:0~200A	CCS1:0~250A
Efficiency	≥95%		
Power Factor	≥0.99 (load:100%)		

Functionate Design	
User Interface	Emergency Stop Button, LED Indicator, Card Swiping, Touch Screen
Charging Stands	UL2202,C22.2 No.107.1,UL2231-1/-2, FCCPart 15, Energy Star, NEC 625

Communication	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/Wi-Fi

RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
GSM Operating Frequency	B2/B3/B5/B8
MIFARE Operating Frequency	13.56MHz±7K
2.4G Wi-Fi Operating Frequency	2412MHz-2484MHz
2.4G Wi-Fi Maximum Transmit Power	20.5 dBm
GSM850 Maximum Transmit Power	33 dBm±2 dB
EGSM900 Maximum Transmit Power	33 dBm±2 dB
DCS1800 Maximum Transmit Power	30 dBm±2 dB
PCS1900 Maximum Transmit Power	30 dBm±2 dB
GSM850 8-PSK Maximum Transmit Power	27 dBm±2 dB
EGSM900 8-PSK Maximum Transmit Power	27 dBm±2 dB
DCS1800 8-PSK Maximum Transmit Power	26 dBm±2 dB
PCS1900 8-PSK Maximum Transmit Power	26 dBm±2 dB
WCDMA Maximum Transmit Power	24 dBm±2 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m

KUGA DC SUPERCHARGER

Environment Condition	
Application Place	Indoor/Outdoor
Working Latitude	<2000m
Storage Temperature	-30°C - +85°C
Working Temperature	-30°C - +50°C
Working Humidity	5% - 95%
Protection Level	Type 3R
Natural Cooling	Forced-air Cooling
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection

KUGA 2 GUNS DC EV CHARGING STATION

150kW / 180kW / 210kW

Charging Station Units	BDC150-D-UL	BDC180-D-UL	BDC210-D-UL

Structure Description			
Shell Material	Sheet Metal		
Charger Unit Dimensions	800mm x 800mm x 1800mm(LxWxH)		
Charger Unit Weight	≤400kG	≤420kG	≤440kG
Installation Method	Floor-stand Type		
Cable Routing	Bottom Inlet Wiring, Outlet Wiring		
Cable Length	5 M		
Charging Outlets	Double(CCS1+CCS1)		
Connectivity Authorization	RFID, App		
Screen	7-Inch LCD Screen/LED Light		

Electrical Specification			
Power System	IT TT TN-C-S		
Rated Input Current	200A	241A	281A
AC Input Voltage	AC480V±15% ,3-phase		
Input Frequency	50Hz/60Hz		
Wiring Method	L1 L2 L3 PE		
Consumption	≤24W		
Rated Power	150kW	180kW	210kW
Output Voltage Range	CSS1: 150Vdc-1000Vdc		
Output Current	CCS1:0~250A		
Efficiency	≥95%		
Power Factor	≥0.99 (load:100%)		

Functionate Design	
User Interface	Emergency Stop Button, LED Indicator, Card Swiping, Touch Screen
Charging Stands	UL2202,C22.2 No.107.1,UL2231-1/-2, FCCPart 15, Energy Star, NEC 625

Communication	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/Wi-Fi

RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
GSM Operating Frequency	B2/B3/B5/B8
MIFARE Operating Frequency	13.56MHz±7K
2.4G Wi-Fi Operating Frequency	2412MHz-2484MHz
2.4G Wi-Fi Maximum Transmit Power	20.5 dBm
GSM850 Maximum Transmit Power	33 dBm±2 dB
EGSM900 Maximum Transmit Power	33 dBm±2 dB
DCS1800 Maximum Transmit Power	30 dBm±2 dB
PCS1900 Maximum Transmit Power	30 dBm±2 dB
GSM850 8-PSK Maximum Transmit Power	27 dBm±2 dB
EGSM900 8-PSK Maximum Transmit Power	27 dBm±2 dB
DCS1800 8-PSK Maximum Transmit Power	26 dBm±2 dB
PCS1900 8-PSK Maximum Transmit Power	26 dBm±2 dB
WCDMA Maximum Transmit Power	24 dBm±2 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m

KUGA DC SUPERCHARGER

Environment Condition	
Application Place	Indoor/Outdoor
Working Latitude	<2000m
Storage Temperature	-30°C - +85°C
Working Temperature	-30°C - +50°C
Working Humidity	5% - 95%
Protection Level	Type 3R
Natural Cooling	Forced-air Cooling
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection

KUGA 2 GUNS DC EV CHARGING STATION

240kW

Charging Station Units	BDC180-D-UL

Structure Description	
Shell Material	Sheet Metal
Charger Unit Dimensions	800mm x 800mm x 1800mm(LxWxH)
Charger Unit Weight	≤460kG
Installation Method	Floor-stand Type
Cable Routing	Bottom Inlet Wiring, Outlet Wiring
Cable Length	5 M
Charging Outlets	Double(CCS1+CCS1)
Connectivity Authorization	RFID, App
Screen	7-Inch LCD Screen/LED Light

Electrical Specification	
Power System	IT TT TN-C-S
Rated Input Current	321A
AC Input Voltage	AC480V±15% ,3-phase
Input Frequency	50Hz/60Hz
Wiring Method	L1 L2 L3 PE
Consumption	≤24W
Rated Power	240kW
Output Voltage Range	CSS1: 150Vdc-1000Vdc
Output Current	CCS1:0~250A
Efficiency	≥95%
Power Factor	≥0.99 (load:100%)

Functionate Design	
User Interface	Emergency Stop Button, LED Indicator, Card Swiping, Touch Screen
Charging Stands	UL2202,C22.2 No.107.1,UL2231-1/-2, FCCPart 15, Energy Star, NEC 625

Communication	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/Wi-Fi

RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
GSM Operating Frequency	B2/B3/B5/B8
MIFARE Operating Frequency	13.56MHz±7K
2.4G Wi-Fi Operating Frequency	2412MHz-2484MHz
2.4G Wi-Fi Maximum Transmit Power	20.5 dBm
GSM850 Maximum Transmit Power	33 dBm±2 dB
EGSM900 Maximum Transmit Power	33 dBm±2 dB
DCS1800 Maximum Transmit Power	30 dBm±2 dB
PCS1900 Maximum Transmit Power	30 dBm±2 dB
GSM850 8-PSK Maximum Transmit Power	27 dBm±2 dB
EGSM900 8-PSK Maximum Transmit Power	27 dBm±2 dB
DCS1800 8-PSK Maximum Transmit Power	26 dBm±2 dB
PCS1900 8-PSK Maximum Transmit Power	26 dBm±2 dB
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MIFARE Maximum Transmit Power	14.05dBuA/m

KUGA DC SUPERCHARGER

Environment Condition	
Application Place	Indoor/Outdoor
Working Latitude	<2000m
Storage Temperature	-30°C - +85°C
Working Temperature	-30°C - +50°C
Working Humidity	5% - 95%
Protection Level	Type 3R
Natural Cooling	Forced-air Cooling
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection