

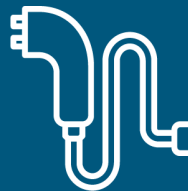
# Mobile DC Fast Power Station

## Specification Sheet

- 100A or 60A circuit
- 500 or 800 VDC nominal
- One or two port options
- 7" touch screen display
- RFID reader
- Removeable wheels



Up to  
**50kW**  
of power



**1-2**  
charging ports

## Electrical

Grid connection (AC)	3P + PE 100A
Grid supply connection plug	UL 1682 C222 No 182.1-13
Supply cable length	16.4ft (5m)
Input voltage range	480VAC nominal 380-480VAC +6%/-10%
Input frequency	50-60Hz
Nominal Input power	58kVA at nominal input voltage
Power factor (at full load)	0.92
Efficiency (at full load)	94%
Idle power	20VA
Over voltage class	III
Rated conditional short-circuit current	25kA
Network type	TN-S, TN-C, TN-C-S, TT

## Environmental Specifications

Operating temperature	-22° to 122°F (-30 to 50°C)
Current derating	2% of max. charging current per 1.8°F (above 77°F)
Maximum altitude	6562 ft (without altitude derating)
Altitude derating	-1.4% of max. charging current per 328ft above 6562ft
Storage temperature	-40°F to 140°F (-40 to 60°C)
Enclosure	IP54, IK10, suitable for outdoor use
Operational noise level	< 60 dB (at 1 m distance)
Ambient air humidity	< 95% relative humidity

## Connections & Protocols

WiFi	802.11 b/g/n (2.4/5 GHz)
Cellular / GPS	LTE-FDD, LTE-TDD, WCDMA, GSM
Ethernet	RJ45, IEEE 802.3 / 802.3u
OCPP	1.6j / 2.0.1

## Safety and Compliance

Over/under voltage

Surge

Short circuit

Overload

Earth leakage current

Device over temperature

Electrical safety	UL 2202
	UL 2231-1
	UL 2231-2
	UL 1682
	CSA Std. c22.2 No. 281.2
	CSA Std. c22.2 No. 107.1
	C22.2 No 1821-13
	IEC 61851-1
	IEC 61851-23
	IEC 61851-21-2
	IEC 62196-3
	IEC 60309
	EMC Class A FCC Part 15

## Mechanical Dimensions

W x H x D 25.1 x 47.9 x 26 in

Weight 309-331 lbs (1 charging cable)  
353-397 lbs (2 charging cables)

Part Number	Output Voltage (VDC)	DC output power maximum charging (kW)	Number of outputs
EVD0505M1	200-500	50	1
EVD0505M2	200-500	50 / 2x25	2
EVD0508M1	200-800	50	1
EVD0508M2	200-800	50 / 2x25	2

Visit [evocharge.com](http://evocharge.com) for more information or to download an installation manual.