Mobile Energy- Storage Charging Vehicle

EON 208kWh/90KW Mobile Energy- Storage Charging Vehicle
EON-MS-208/90-A

Product Profile

The TBEZ5- series Mobile Energy- Storage DC Charging Pile mainly consists of energy- storage batteries, PCS charge- discharge modules, DC charging piles, mobile trolley and overall system integration. The DC charging pile adopts a single- gun charging configuration, with a maximum charging power of 90 kW and a maximum charging current of 250 A for external vehicles to achieve safe fast charging.

The energy- storage battery pack is recharged via AC power, with a maximum AC recharging power of 60 kW. The system supports off- grid inverter AC output, delivering a maximum output power of 60 kW. The entire pile system adopts isolated conversion modules to guarantee power- utilization safety for the energy- storage unit, external vehicles and the power grid.

Human- oriented interface display and control- guidance functions enable customers to complete charging operations conveniently. A 4G communication interface is provided for external connection to maintain real- time communication with the monitoring center and operation- management center, realizing real- time monitoring of charging status.



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Technical Specifications



Category	Item	Parameter
Battery System Parameters	Nominal Energy (kWh)	208
	Nominal Voltage (VDC)	665 (Operating Voltage: 582- 738 V)
	Rated Charge-Discharge Current (A)	160
	Rated Capacity (Ah)	314
	Rated Charge-Discharge Rate	0.5P
	Battery Type	Lithium Iron Phosphate
DC Output Specs	Charging Power	90KW
	Output Voltage Range (VDC)	200 ~ 1000V
	Output Current Range (A)	0 ~ 250 A
	Charging Operation Mode	QR-code, APP, Password
	Overall Charging Efficiency	≥93%
	Charging Cable Length	5 m
	Connector type	GB/T or CCS2
System Specs	Weight (kg)	2300
	Dimensions (mm)	2050×960×1850 (L×W×H)
	Operating Temperature	- 20℃ ~ 50℃
	Relative Humidity	≤95%RH, non-condensing
	Altitude	2000 m
	Ingress Protection Rating	IP54
	Noise Level	< 65 dB
	Cooling Method	Air-cooled
Chassis Specs	Control Mode	Remote control
	Drive Mode	Rear-wheel central motor drive, front- wheel steering
	Brake Mode	EPB Electronic Parking Brake
	Steering Mode	Front-wheel Ackermann steering
	Travel Speed	0 ~ 10 km/h
	Maximum Gradeability	20%
	Minimum Ground Clearance	180 mm
	Wading Depth	≤100 mm (water depth)
	Minimum Turning Radius	≤3.5 m