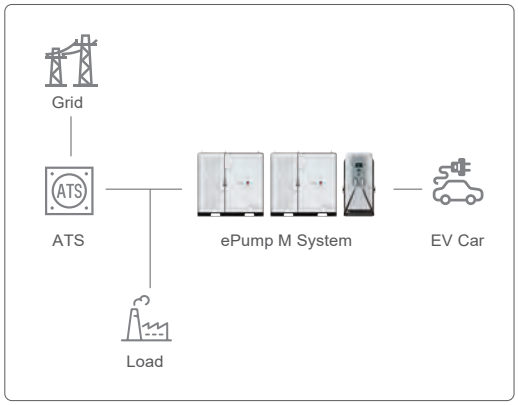
e-Pump M260
e-Pump M520

Mobile Battery-Buffered EV Charging System

*Vehicle Not Included

System Demonstration

System Layout



Application Scenario

CONSTRUCTION SITE

MINING

EV FLEET MOBILITY

Energy Storage System	
Battery Capacity(kWh)	261
Battery Charging Rate	≤0.5C
Battery Discharge Rate	≤0.8C
Battery Efficiency	≥97%
Battery Module IP Rating	IP65
Battery Cooling System	Liquid-cooling
Thermal Control Management	Aerosol Extinguishing
Dimensions (W*D*H)	1800*1500*1750mm / 70.8*59*68.9in
Weight	2850kg / 6283lb

AC Input	
Rated AC Output Power(kW)	250
Max. AC Output Power(kVA)	266
Rated Output Voltage(Vac)	480
Output Voltage Range	-15%~+10%(settable)
Grid Frequency Range(Hz)	60Hz(settable)
Max. Output Current(A)	330.8
Power Factor	1 (leading)~1(lagging)
Adjustable Power Factor	＞0.99
THDi	＜3%
Overloading Capability	110%

Standard	
Battery	UL9540A
EV Charger	UL2202, FCC, EN 61851-1, EN 61851-23, EN 61000-2/-4
System Level	UL 1973, UL9540A, UL9540 FCC, IEC 62619, EN62109-1/2 EN61000-6-2/4, UN38.3

Charging System	
Charging Type	DC fast charging
DC Output Power(kW)	240
DC Output Voltage(Vdc)	200~1000*
Maximum Current(A)	250
Distribution Systems	TN-S.TN-C, TN-C-S, TT (required external RCD)
Connector Type	3P +N + PE
Protection	Overcurrent, overvoltage, undervoltage, integrated surge protection,ground fault including DC leakage protection, door opening protection
Power Factor (Full Load)	≥0.99
THDi	<5%
Efficiency	≥ 94% (peak)
Dimensions (W*D*H)	750*640*1750mm / 29.5*25*68.9in
Weight	380kg / 837.7lb

*Constant power from 300~1000

General Parameters	
Ambient Temperature	-25°C-50°C(over 45°C derating)
Humidity	≤95%, No condensation
Storage Conditions	–20°C to 30°C, Up to 95% RH, non-condensing, State of Energy (SoE): 50% initial
Altitude	2000m / 6561ft
Noise Level @1m	<80 dB(A)
EMC Emission	Type A
Medium	Non explosive hazardous, No toxic & harmful gases
Interference	Without strong vibration and shock, no strong electromagnetic interference
System IP Rating	IP54

Packaging & Shipping Details