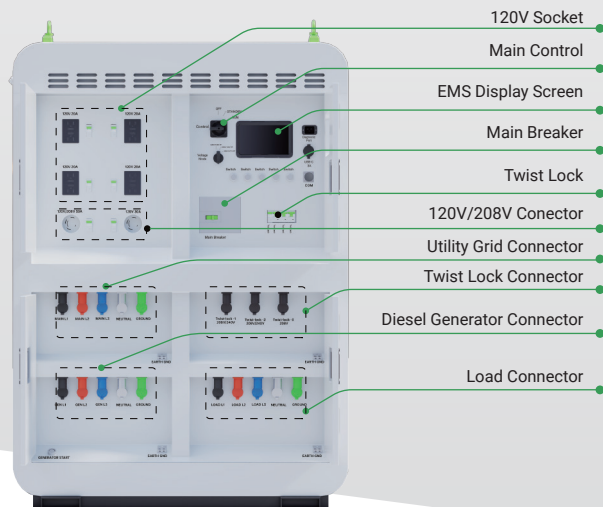


PowerGen Mobile

560 kWh 270kVA



Key Features

Multi-Source Energy Input

Powered by a 560kWh LiFePO4 battery, supporting grid, diesel generators, and 120kW solar DC charging for seamless energy integration.

Portable Durability

Towable for rapid deployment, with IP54/NEMA 3R protection ensuring durability in harsh environments.

Optimized Generator Usage

Pairs with 400kVA generators, reducing upfront investment, fuel consumption, and maintenance costs for smarter power solutions.

Smart Operation and Maintenance

Comes with a complete EMS that is easy to upgrade, featuring big data management checks, proactive handling, and intelligent SOC calibration to ensure optimal performance with zero downtime.

Product Parameter

Battery Energy Storage	
Cell Chemistry	LiFePO4
Nominal Energy(kWh)	560
Voltage Range(Vdc)	750~908.8
Nominal Charging Current(A)	330
Nominal Discharging Current(A)	330
Max. Discharging Current(A)	400
DOD	90%

Mobile Charging	
USB C *1(W)	120
USB A *1(W)	10

PV Input	
Input Power(kW)	120
Input Voltage Ranger(Vdc)	750~908.8

AC Output(480Vac On-Grid)	
Rated Power(kVA)	270
Rated Voltage(Vac)	480 (-15%~15%)
Rated Frequency(Hz)	60 (-5~5)
AC Connection	3P4W
THDi	≤ 3%
Voltage Ripple Coefficient	≤ 1%
Power Factor	0.99/-1~1

AC Output(For Load 480Vac Off-Grid)	
Rated Power(kVA)	270
Max. Power(kVA)	324
Rated Voltage(Vac)	480(±15%)
Rated Frequency(Hz)	60(±5)
AC Connection	3P4W
Power Factor	0.99/-1~1

AC Output(For Conector 208Vac Output)	
Rated Power(kVA)	35
Rated Voltage(Vac)	208
AC Connection	3P4W

AC Output(For Conector 240Vac Output)	
Rated Power(kVA)	24
Rated Voltage(Vac)	240
AC Connection	2P3W

AC Output(For Socket 120Vac Output)	
Rated Power(kVA)	12
Rated Voltage(Vac)	120
AC Connection	1P2W

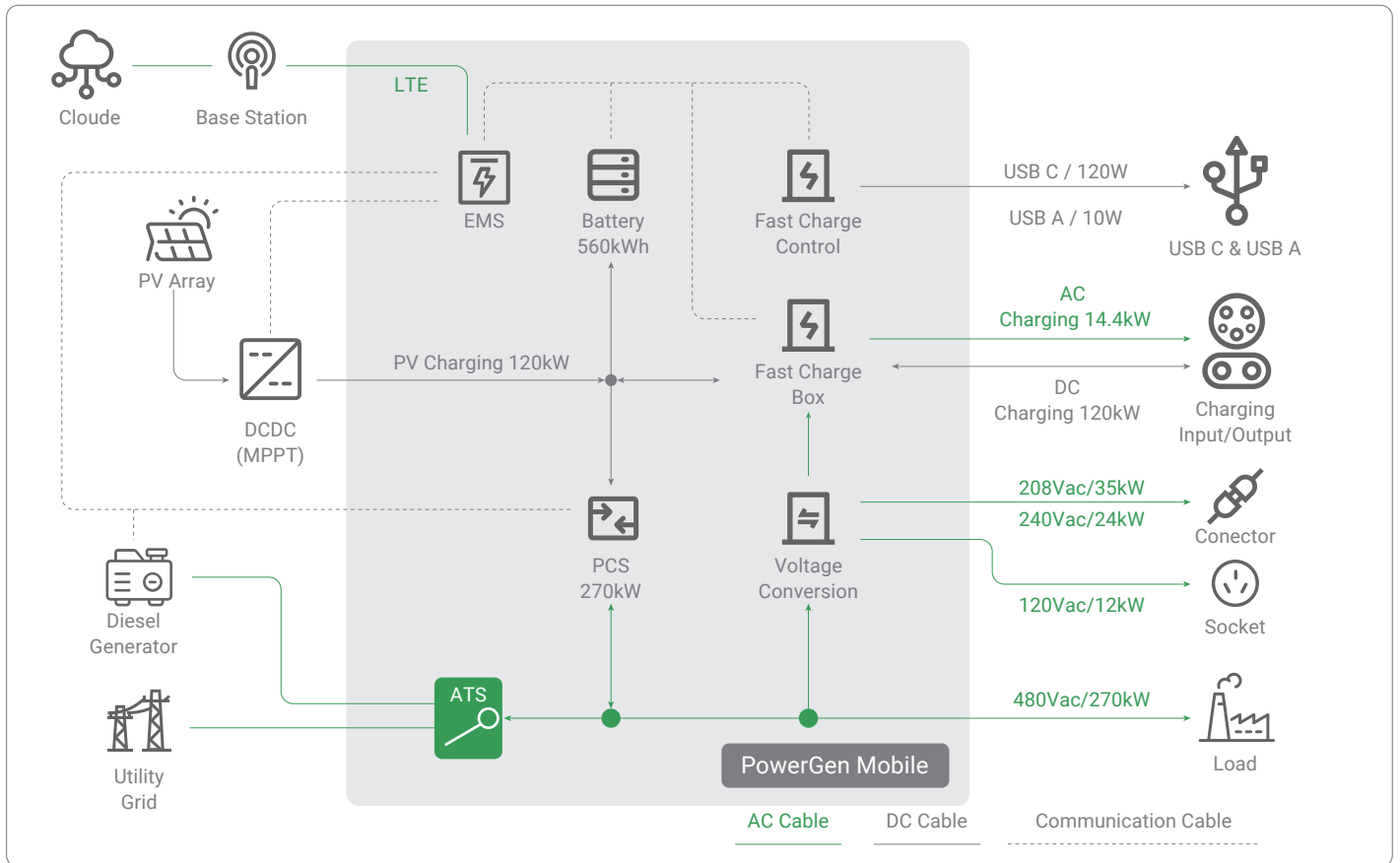
EV Charging & Charging ESS(AC Charging)	
Interface Type	Combo (SAEJ1772)
Current Rating(A)	60
Power Rating(kW)	14.4
Input/output Voltage(Vac)	240±10%
Input Frequency(Hz)	60
AC Connection	2P3W

EV Charging & Charging ESS(DC Charging)	
Interface Type	Combo (SAEJ1772)
Rated Power(kW)	120
Output Voltage(to EV)(Vdc)	150~1000
Input Voltage(to ESS)(Vdc)	750~908.8

Compatible Diesel Generator	
Rated Power(kVA)	≤400
Rated Voltage(Vac)	480
Rated Frequency(Hz)	60

General Parameters	
Product Model	Z-XG560270H1-US03
Parallel Capable	Yes (Up to 6)
Ingress Rating	IP54 / NEMA 3R
Working Temperature(°F/°C)	-4~131 / -20~55
Storage Temperature(°F/°C)	-40~149 / -40~65
Relative Humidity	5~ 95% (No condensing)
System Noise(dB)	<75
Cooling	Air cooling
Fire Suppression System	Included
Altitude(m)	5,000 (>3,000 derating)
Certifications	UL1973, UL9540, UL9540A UL1741, UL9741, UL2202(UL2231-1, UL 2231-2) UL991, UL1998
Dimensions- W*D*H (mm/in)	1752*4140*2000 / 69*163*79
Weight(kg/lb)	~5800 / ~12,786.8

System Layout



Application

The ESS applies to events (off-grid, solar-storage, UPS), agriculture (silent operation, solar-PV, small-farm power), construction (noise reduction, genset optimization), and on/off-grid sites, enabling clean, efficient, and reliable power.

