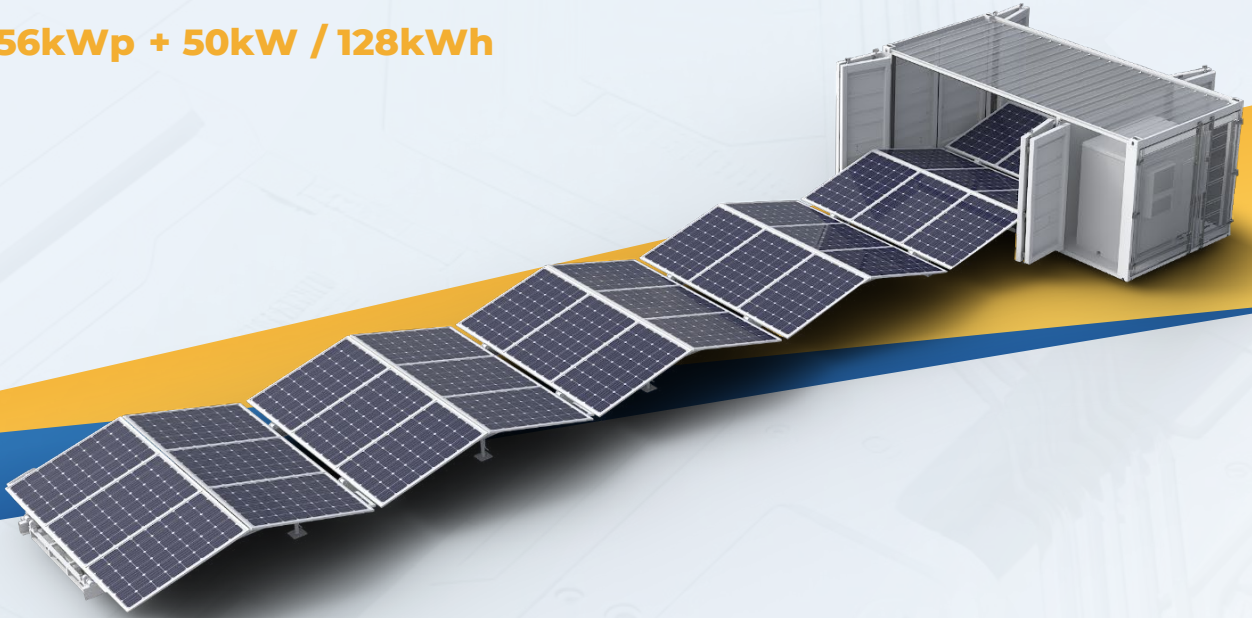


PV + BESS

Mobile Power Station

56kWp + 50kW / 128kWh



PV + BESS 2-in-1 Microgrid Solution

Application Scenarios



Mining Sites



Construction Sites



Island & Ports



Industrial Parks



Emergency Facilities

COMMERCIAL & INDUSTRIAL ENERGY STORAGE SYSTEM

Model Type	56kWp+50kW/128kWh
PV Parameters	
Rated input power (Wp)	56,000
Max. Input Voltage (V)	1,000
MPPT Operating Voltage Range / Rated Voltage (V)	150–850 / 600
Max. Input Current (A)	4 × 42 A
Max. Short-Circuit Current (A)	4 × 60 A
Number of MPPTs	4
Strings per MPPT	2 / 2 / 2 / 2
AC Parameters (Grid-Connected Side)	
Rated Output Power (W)	50,000
Max. Apparent Output Power (VA)	50,000
Max. Input Current (A)	152
Rated Voltage (Vac)	220/380 V, 3L/N/PE
Rated Frequency (Hz)	50
Max. Output Current (A)	76
Power Factor Range	>0.99 (0.8 leading ~ 0.8 lagging)
Total Harmonic Distortion of Current (at Rated Power) (%)	<3
AC Parameters (Off-Grid Side)	
Rated Output Power (W)	50,000
Max. Apparent Output Power (VA)	Capable of delivering 1.6× rated power for 2s and 1.5× rated power for 10s (continuous).
Rated Voltage (Vac)	220/380 V, 3L/N/PE
Rated Frequency (Hz)	50
Total Voltage Harmonic Distortion (THDv)	2%
Grid / Off-Grid Switching Time (ms)	<10
Battery Parameters	
Cell Capacity (Ah)	314
Cell Type	LFP (Lithium Iron Phosphate)
Battery Pack Configuration	1P16S
Pack Quantities	8
Battery voltage(V)	352-460.8
Rated Charge / Discharge Rate	0.5P
Balancing	Active Balancing
Rated Energy Capacity (kWh)	128
Dimensions(H*W*D)(mm)	2220*810*1040
Thermal Management System	Air cooling
Fire Suppression System	Aerosol fire suppression
General Parameters	
Operating Temperature Range (°C)	-20 ~ +50
Max. Operating Altitude (m)	<2000
Protection Rating	IP55
Relative Humidity (%)	<95
Dimensions (W*D*H) (mm)	6058*2438*2591
Weight (kg)	14,000