



Areswatt New Energy

AW-MESC120A



Mobile Energy Storage Charger

Product features



Safety and Reliability

High-power core energy module platform ensuring maximum safety and absolute reliability in all energy systems.



Exceptional Efficiency

Innovative three-phase PFC circuit topology with power factor greater than 0.99, harmonic distortion less than 5%, ensuring high-performance energy efficiency.



Digital Equalization

Advanced digital technology that improves equalization precision, enhances interference resistance and optimizes system operation.



Intelligent Control

Comprehensive monitoring and protection system ensuring a safe, automated and fully controlled charging process.



Flexible Charging

Multiple charging modes available: programmed, by quantity, by fixed value and automatic, adapting to the specific needs of the user.



Real-Time Display

Instant display of essential data: charge quantity, time, rates, prices and operational status in real time.



Mobile Connectivity

Integrated GPRS technology allowing remote monitoring of the device anytime and anywhere.



Efficient Maintenance

Modular design with hot-swap capability, reducing operational costs and ensuring stable, low-maintenance operation.



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Battery Parameters

Battery Charging Power	7kW (AC) /120kW(DC)
Charging Voltage	220V(AC)/681.6V(DC)
Charging Port	American Standard
Nominal Capacity	300KWh
Charging Rate	≤1C
Discharge Rate	≤1C
Battery Voltage Range	537.6V~681.6V
Depth of Discharge(DOD)	≤90% DOD (Recommended)
Lifecycle	≥3800 Cycles
Cell Type	3.2V/120Ah
Nominal Voltage	614.4V
Nominal Frequency	50Hz
Installation Method	External Cabinets
Cooling Type	Air-cooled
IP Rating	IP54

Charging Parameters

Nominal Power	120KW
Installation Method	Floor-mounted
Output Frequency	45-65Hz
Battery Voltage Range	DC689~949V
Output Voltage Range	200-1000V (DC)
Output Current Range	0-200A
User Interface	12.1-inch touchscreen
Charging Modes	Automatic charging, Fixed charge, Fixed value
Available	Fixed
Payment Methods	Card, QR code payment
Network Methods	4G
Network Protocol	OCPP
Charging Interface Standard	American Standard (DC)

General Equipment Parameters

Dimensions (L x W x H) (mm)	3400x1700x1950
Weight (kg)	2350KG
Operating Temperature (°C)	-10°C a 55°C
Heat Dissipation Method	Air cooling
Maximum Altitude (m)	2000m
Noise Level (dB)	≤60dB
Relative Humidity (RH)	5% to 95% RH, non-condensing



Technical Support

For more information about operating environment, technical parameters and customized solutions, please consult our technical specialists.