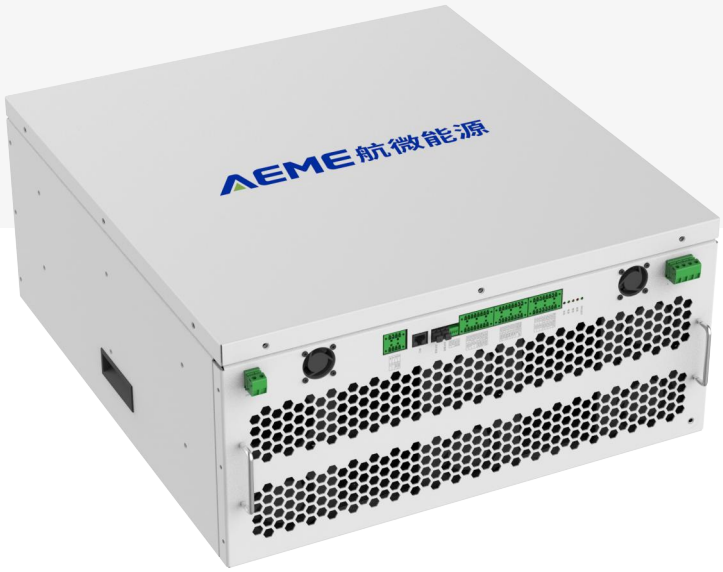
ESS-PCS-67-SiC、ESS-PCS-74-SiC
ESS-PCS-125-SiC、ESS-PCS-135-SiC

Modular PCS (SiC)



3S Deep Integration Design

Integrate EMS, BMS and PCS functions.

Multi-Machine Parallel Connection

Virtual synchronization technology,
which can support multiple voltage sources in parallel.

Unbalanced Load

Support 100% unbalanced load.

SiC Soft Switching Technology

Silicon carbide semiconductor devices, high conversion efficiency, modular design, easy installation, easy maintenance.

AEMEnergy

Product Model	ESS-PCS-67-SiC	ESS-PCS-74-SiC	ESS-PCS-125-SiC	ESS-PCS-135-SiC
DC Side				
DC Voltage Range (Vdc)	670–950	370–950	670–950	AC400V: 670–950 AC440V: 740–950
Maximum DC Current (A)	100	200	186	AC400V: 201 AC440V: 182
AC Side				
Rated AC Power (kW)	67	74	125	135
Maximum Output Current (A)	106	213	198	AC400V: 214 AC440V: 194
THDi (at rated power)	<3% (Ipn)			
DC Component	<0.5% (at rated power)			
Rated Grid Voltage (V)	400	220	400/380	440/400
Power Factor Adjustment Range	1 (leading) – 1 (lagging)			
Rated Grid Frequency (Hz)	50/60			
Isolation Method	Transformerless			
Wiring Method	3W+N+PE	3W+PE	3W+N+PE	3W+N+PE
System Voltage Type	TN-S 400V	TI 220V	TN-S 400V	TN-S 400V
System Data				
Charge/Discharge Switching Time (ms)	<25			
Communication Protocol	RS485 / TCP / CAN2.0			
Protection Level	IP20			
Cooling Method	Intelligent Air Cooling			
Operating Temperature (°C)	-20~+45			
Operating Humidity	⩽95% (non-condensing)			
Operating Altitude (m)	⩽4000 (derated above 2000 m)		⩽3000 (derated above 1000 m)	
Noise Level (dB)	⩽60			
System Dimensions (W×H×D mm)	580×200×640	580×280×640	580×280×640	580×280×640
Weight (kg)	⩽50	⩽80	⩽80	⩽80
Communication Protocols	Modbus RTU / TCP / CAN2.0			
Certification	EN62477-1:2022, IEC62477-1:2022, EN62109-1:2011, EN62109-2:2011			

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