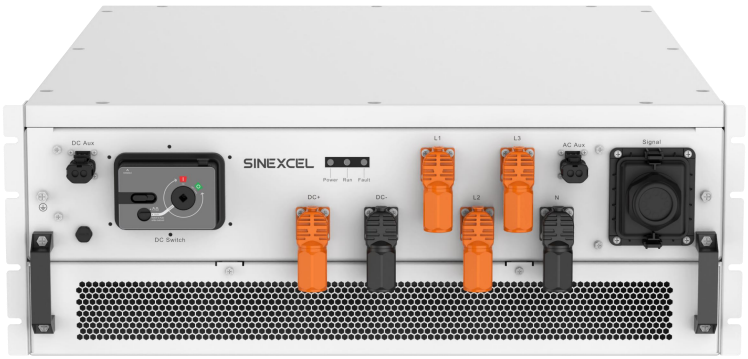
PWS1-135M-EX/NA



Features

Flexible Configuration

- PCS integrated with HV Box,system cost reduction
- Wide voltage range of 600~1000Vdc
- Compatible with air/liquid-cooling BESS
- 135kVA, suitable for different battery capacity
- Multiple mounting methods

High Efficiency & Stability

- Third-generation semiconductor, silicon carbide
- Modular design, easy to install and maintain
- Multi-branch battery access cluster management improved battery utilization
- Peak Efficiency of 98.8%
- System online rate of 99%
- System utilization rate of 99%

Extensive Use

- Four-quadrant active and reactive regulation
- Supports constant power, constant current, and constant voltage control

Safety & Compatibility

- 3P4W output for on-grid and off-grid application
- Power response speed < 15ms
- Compatible with various BMS and EMS

SINEXCEL

Specification

Model	PWS1-135M-EX	PWS1-135M-NA
Utility-interactive Mode		
Nominal Power	135 kVA	135 kVA
AC Voltage	400 (-15%~15%) Vac	480 (-15%~15%) Vac
DC Voltage Range	600V~1000V （720~950V@full load）	720V~1000V （720~950V@full load）
DC Current	193A	
AC Connection	3P4W	
AC Frequency	50/60 (-5~5) Hz	
THDI	≤ 3%	
Voltage Ripple Coefficient	≤ 1%	
AC PF	0.99/-1~1	
Stand-alone Mode		
Nominal Power	135 kVA	135 kVA
AC Voltage	400 (-15%~15%) Vac	480 (-15%~15%) Vac
DC Voltage Range	600V~1000V （720~950V@full load）	720V~1000V （720~950V@full load）
DC Current	193A	
AC Connection	3P4W	
AC Frequency	50/60 (-5~5) Hz	
AC PF	0.99/-1~1	
System Parameters		
Maximum Efficiency	98.8%	
Dimensions (width × height × depth)	720*265*960mm	
Noise	< 75 dB @ 1 m	
Enclosure	IP 65 C5	
Operation Temperature	-40 °C ~ 60°C	
Cooling	Forced air cooling	
Operation Humidity	0~100% (no condensation)	
Operation Altitude	3000 m (> 3000 m derating)	

Specification

Communication	
Communication	RS 485， Ethernet， CAN
Communication Protocol	Modbus TCP/RTU,IEC 104, IEC61850,CAN 2.0
BMS access	support