Scopio-P

Outdoor Commercial and Industrial Energy Storage Scopio Series
Scopio AS100k-500k-01

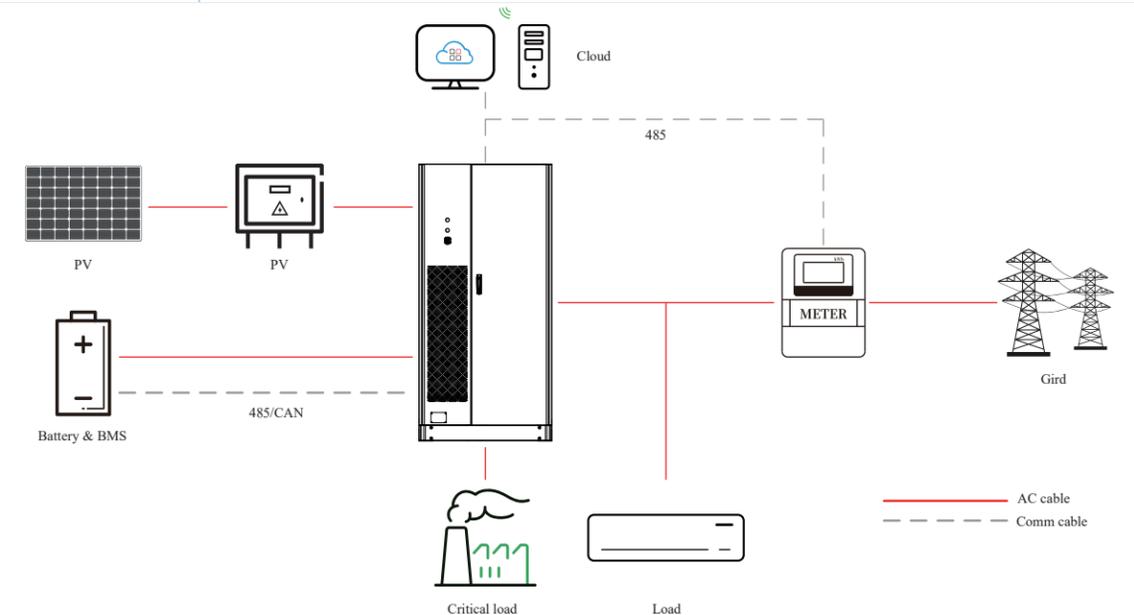Automatic Grid/Off-grid Switching

Insulation testing

Black start

Anti-islanding protection, short-circuit protection, Under/over-voltage protection, overcurrent protection

Technical parameters:	Scopio AS100/125k-01	Scopio AS200/250k-01	Scopio AS500k-01
Photovoltaic input			
Input voltage range	0~900V		
MPPT voltage range	313~900V (50k module)/394~900V (63k module)		
Maximum number of modules	2	4	8
Maximum PV power	100kW/120kW	200kW/240kW	400kW/480kW
Maximum input power per module	50kW/60kW		
Maximum input current per module	160A		
Battery input			
Battery voltage range	672~864V		
Number of batteries	1-4	1-4	1-4
Maximum battery charging current	200A	200A*2	200A*4
Maximum battery discharging current	200A	200A*2	200A*4
AC Grid-Connected			
Maximum input capacity	250kVA	500kVA	1000kVA
Rated power	100kW/125kW	200kW/250kW	500kW
Rated voltage	400V		
Frequency	50/60Hz		
Voltage range	-15%~15%		
Maximum current	167A/200A	334A/400A	800A
Overload capacity	1.1 times for a long duration		
Power factor	0.99		
Wiring method	3W+N+PE		
AC off-grid			
Rated output power	100kW/125kW	200kW/250kW	500kW
Rated output current	200A	400A	800A
Rated output voltage	400V		
Rated frequency	50/60Hz		
THDU	<3% (linear load)		
Basic parameters			
Working temperature	-30℃~60℃ (Derating from >45℃)		
Dimension	880*920*2100mm (W*D*H)	880*920*2320mm (W*D*H)	1600*920*2320mm (W*D*H)
Weight	~880kg	~980kg	~1760kg
Protection level	IP54		
Altitude	4000m (Derating from >2000m)		
Communication method	Ethernet/4G/RS485/CAN		

Note: Technical specifications are for reference only. Actual data is subject to the shipped product.