

Scopio

Outdoor Commercial Energy Storage System Scopio Series
Scopio 30KB-T1~Scopio 150KB-T1



Multistage modular battery cabinet,
Support multiple sets of parallel use,
Covering 100-900kWh battery capacity,
Flexible adaptation to multi scenario
distributed energy projects.



Battery cabinet and electric control
cabinet split system, Both centralized
and distributed transportation are available,
Simple on-site installation and construction,
IP55 protection to meet multiple
application environments.



Intelligent monitoring and remote
operation and maintenance,
EMS management system,
Multiple operation mode selection.



Lightning protection, battery management,
fire protection, thermal management, etc.
Hierarchical linkage and multiple protection,
Ensure the safe operation of the system.

Scpio 30KB-T1~Scpio 150KB-T1 Technical parameters

Technical parameters:	Scpio 30KB-T1 Scpio 60KB-T1 Scpio 90KB-T1	Scpio 50KB-T1 Scpio 100KB-T1 Scpio 150KB-T1
	System scalability	
Power scalability	30kW / 60kW / 90kW	50 kW / 100kW / 150 kW
Energy scalability	118 kWh~1062 kWh (118*n, n=1~9)	
Number of product assortment	> 20	
	Electric control cabinet	
Weight of a single unit	990 kg	1100 kg
Dimension of a single unit (mm)	1760x1160x2280 mm	
	Inverter photovoltaic input parameters	
Maximum photovoltaic power	60/120 kW	
Start-up voltage	150 V	
Maximum photovoltaic voltage	1000 V	
Voltage range	150 V-1000 V	
MPPT voltage range / rated voltage	200 V-850 V	
Number of MPPT input circuits	1 / 2	
	AC output parameters (grid)	
Rated apparent power	33 kVA / 66 kVA / 99 kVA	55 kVA / 110 kVA / 165 kVA
Rated active power	30 kW / 60kW / 90kW	50 kW / 100kW / 150 kW
Maximum output current	43 A / 86 A / 129 A	72 A / 144 A / 216 A
Nominal AC output voltage	400 V/320 V~460 V	
Nominal grid frequency	45-55/55-65 Hz	
Power Factor at rated power	1	
Power Factor	0.8leading...0.8lagging	
THDi	<3%	
AC system	3W+N+PE	
Isolation transformer	available	
	AC output parameters (off-grid)	
Maximum apparent	33 kVA / 66 kVA / 99 kVA	55 kVA / 110 kVA / 165 kVA
Rated active power	30 kW / 60kW / 90kW	50 kW / 100kW / 150 kW
Rated output frequency	50/60 Hz	
Automatic switching time	<0.5 S	
THDU	≤ 2% linear	
Rated frequency	50/60 Hz	
Overload capacity	110% - 10 minutes, 120% - 1 minute	
	Parameters of a single battery cube	
Model	ZSXH BM-13280	
Assortment scheme	1P 132S	
Total voltage/capacity of a single battery cabinet	422 V/280 Ah	
Voltage range	382.8 V-475.2 V	
Nominal energy of a single battery cabinet	118 kWh	
Weight of a single battery cabinet	1550 kg	
Dimension of single battery cabinet (mm)	2470*1070*1705	
Battery cabinet assortment mode	Parallel connection	
Battery type	Lithium ion battery	
	System parameter	
Number of cell cycles	IP55	
Number of cycles	> 6000 times	
Calendar life	10 years	
Certification	IEC61683 \ CE (IEC62109) \ IEC62116 \ IEC61727 \ IEC62619 \ UN38.3 \ GB/T 36276-2018 \ CEI-021	
Working temperature	charging 3 ~ 55 °C; discharging - 20 ~ 55 °C	
Altitude for product operation	5000m (System capacity reduction occurs when the altitude for product application rises above 3000 meters.)	