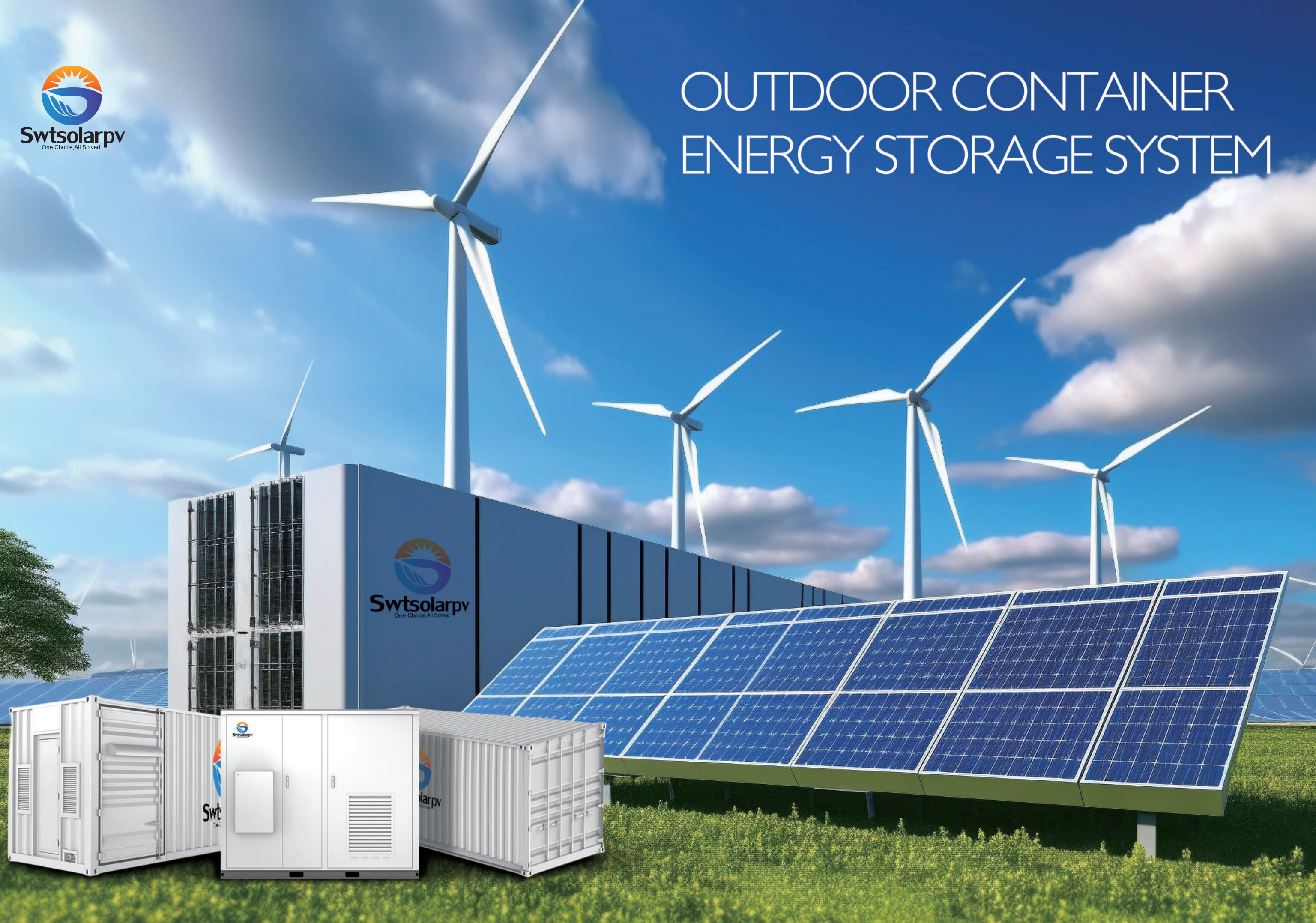




OUTDOOR CONTAINER ENERGY STORAGE SYSTEM



Outdoor Cabinet Energy Storage System

Introduction:

Outdoor all-in-one ESS solution compatible with lithium battery storage, which used BYD blade LiFePO4 battery module and original BYD high voltage control box, comes with SNE 30KW or 50KW hybrid solar inverter.


Power shortage areas


Off-grid island


Industrial &commercial energy storage


Off-grid mine


Nomadic farm


Rural power shortage



Model	SCS50KE	SCS100KE	SCS150KE
AC (on-grid)			
Max Output Power(KVA)	55KVA	110KVA	165KVA
Rated Power(KW)	50KW	100KW	150KW
Rated Voltage(V)	400V		
Rated Current (A)	72A	144A	216A
Voltage Range(V)	320V~460V		
Rated Frequency (HZ)	50/60HZ		
Frequency Range(Hz)	45-55/55-65HZ		
THDI	<3%		
Power Factor	1lagging~1leading		
AC Connection	3W+N+PE		
Transformer Ratio	200/400	270/400	270/400
AC(Off Grid)			
Max Output Power(KVA)	55KVA	110KVA	165KVA
Rated Power(KW)	55KW	100KW	150KW
Rated Voltage(V)	400KW		
Rated Current(A)	72A	144A	217A
THDU	≤ 1% linear; or ≤ 5% nonlinear		
Rated Frequency(HZ)	50/60HZ		
Overload Capacity	110% long-term		
PV input			
Max.PV Input Voltage(V)	1000VDC		
Max.PV Power(KW)	60/120KW	120/180/240KW	
MPPT Voltage Range(V)	200VDC-850VDC		
IPPT Voltage Range@Full Load (V)	450VDC-850VDC		
Battery			
Battery Capacity	55KWH-344KWH		
Battery Type	LiFePO4 battery		
Battery Module	51.2V 120AH BYD blade battery module		
Number Of Battery Racks	1~4		
Battery Voltage Range(V)	320V-850V	420V-850V	420V-850V
Max. Charging Power(KW)	60/120KW	120/180/240KW	
General data			
Dimension W*D*H(MM)	Customization/1650/2400MM		
Weight(KG)	Customization		
Operation Temperature	-30°C to +55°C		
Relative Humidity	0~95% non-condensing		
Ingress Protection	IP54		
Noise Emission(DB)	<70DB		
Altitude	4500m(>3,000 Derating)		
Fire Extinguishing System	Optional		
PCS Cooling Way	Intelligent Fan		
Battery Cooling Way	Air Cooling		
Display and communication			
Display	LCD touch-screen		
BMS Communication	RS485/CAN		
EMS Communication	RS485TCP/IP		
Certificates	EN62109-1/-2, EN62477-1, EN61000-6-2, EN61000-6-4, South Africa NRS097-2-1:2017, Pakistan & India IEC61727, IEC62116, IEC 61683		

AC-coupled 20ft/40ft Container Energy Storage System

Introduction:

This outdoor 20ft container ESS for large-scale commercial and industrial energy storage projects.

500KW/1.106WH outdoor 40ft container ESS for large-scale commercial and industrial energy storage projects.



PV charging station



Wind power storage



Industrial & commercial energy storage



Combined thermal power FM



Grid-side storage



Model	SCT550KE	SCT1000KE
AC(on-grid)		
Max Output Power(KVA)	550KVA	550KVA*2
Rate Output Power(KW)	500KW	500KW*2
Rated Voltage(V)	400V	
Voltage Range(V)	320V-460V	
Rated Current(A)	722A	722A*2
Max. Output Current(A)	794A	794A*2
Rated Frequency (HZ)	50/65HZ	
Frequency Range (HZ)	45-55/55-65HZ	
THDI	<3%	
Power Factor	1lagging-1leading (Settable)	
AC Connection	3W+N+PE	
AC(off grid)		
Rated Voltage(V)	400V	
THDU	<1% Linear <5% Nonlinear	
Rated Frequency(HZ)	50/65HZ	
Overload Capacity	110%long-term	
DC(battery)		
Battery Capacity (MWH)	1-1.5MWH	2-2.5MWH
Battery Module	BYD 25.6V 190AH/280AH optional	BYD 25.6V280AH
Number Of Battery Racks	5~8	11~14
BMS Communication Interface	RS485/CAN	
Voltage Range (V)	500V-850V	
Max. Current (A)	1128A	
General data		
Max.Efficiency	97.50%	
Ingress Protection	IP54	
Fire Extinguishing System	support	
Operating Temperature	-30~+55℃	
PCS Cooling Way	Temperature controlled intelligent air cooling	
Battery Cooling Way	Air conditioning cooling	
Relative Humidity	0 ~95% non-condensing	
Altitude	4500m(>3000m Derating)	
Dimension W*D*H(MM)	6058*2591*2438MM	12192*2438*2896MM
Weight(KG)	Customization	
On/Off Grid Switching	Automatic	
Display and communication		
Display	LCD touch-screen	
BMS Communication	RS485/CAN	
EMS Communication	RS485,TCP/IP	