

# Commercial Energy Storage Solution

Never power outage while load shedding



## > KEY STRENGTHS

- **Effort and money saving**
  - >All-in-one and modular design for easy transportation and installation
  - >Hard ware pre-installation and software pre-configuration and test shorten installation to 8 hours
- **Safety and reliability**
  - > Safety design include eletrical safety, functional safety, chemical safety.
  - > Multi-level battery protection layers
  - > IP54 & C3 Design
- **Efficiency and flexibility**
  - > Battery cell level tempreature control ensures higher efficiency and longer battery cycle life
  - > Modular design support parallel connection and easy system expansion
- **Smart and friegnly**
  - > Fast state monitoring enables fault alarm proactively
  - > Preventive maintenance

SVC Commercial Energy Storage Solution is Suitable for commercial buildings, hotels, schools, factories, hospitals and other large consumers of electricity who are subject to factors, such as power overloaded, limited power capacity expansion, high electricity prices, and power security, which hinder the rapid development of their businesses. It is perfectly compatible with solar power, wind turbines diesel generators and gas generators, on & off grid.

## Application Area



PV charging station



Wind power storage



Combined thermal power FM



Grid-side storage

## Technical Parameter

Model	BESS 100kW/200kWh
PCS data	
Connected point	3L+N+PE
Rated voltage	400V
Rated power	100 KW
Range of output voltage	400V-15%, 400V+15%
Rated current	158A
Max.efficiency	97%
Overload ability	110% 1min
Rated frequency(Hz)	50Hz
Frequency range(Hz)	50Hz ± 2.5Hz
THDi	<3% Full load
Three unbalanced load capacity	100%
Power factor	-0.99 ~ +0.99
Battery data	
Battery type	LFP
Battery Cell	280Ah
Rated Energy	200KWh
Rated voltage	716.8V
Operating voltage range	627V~817V
Combination	1P224S
C-rate/D-rate	0.5C
General data	
Ingress protection	IP54
Fire fighting	Heptafluoropropane/Perfluorohexanone
Operating temperature	-20℃~50℃
Noise emission	≤60dB
Cooling (PCS)	Forced air cooling
Cooling (Battery)	Industrial air conditioning
Altitude	≤3000m
Dimension(L*W*H)	2000*1100*2200mm
Weight	≤2.5t