

C&I Energy Storage System

>> UP-C&I-50-S



Flexible

- ▶ Flexible expansion of system capacity
- ▶ Applicable to different industrial and commercial scenarios
- ▶ Compatible with DC coupling and AC coupling

Safe and Reliable

- ▶ Excellent safety of cobalt free LiFePO₄ battery
- ▶ Built-in air cooling system and fire protection system
- ▶ BMS real-time monitoring and protection

Intelligent

- ▶ Integrated EMS
- ▶ Cloud operation and maintenance
- ▶ APP online monitoring

Simple

- ▶ Easy installation with modular design
- ▶ Convenient maintenance
- ▶ HMI

Model:

UP-C&I-50-S

UP-C&I-50-S Datasheet

Model Name	UP-C&I-50-S
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DC

Cell type	LFP3.2V/100Ah
Battery pack	1P16S/5.12kWh
Battery pack connection	Max. 10 battery modules in series
Max.Voltage	576V
Max. Battery system capacity	51.2kWh
Charge and discharge ratio	≤0.5C
DC-DC	50kW (Integrated MPPT function)
	BAT : 250~900V ; Busbar : 250V~800V

AC

Rated power	50kW
Max.output power	55kW
Rated voltage	380V, -15%~+10%
Rated frequency	50Hz/60Hz, ±5Hz
Power factor	- 1 (lead)~1 (lag)
AC current harmonic	THDi<3% (Rated output power)
Access mode	3P/3P+N
Overload capacity	1.1 times long-term@45°C ; 1.2 times 1min

Efficiency

Max.system efficiency	91%
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Protection

DC input	Load switch+Fuse
Overvoltage	DC Type II/AC Type II
Fire protection system	Aerosol/Water fire protection optional

Physical

Weight	1050kg (Subject to actual weight)
Dimension (W*H*D)	1300mm*1000mm*1700mm
IP Protection	IP65

Environmental requirements

Allowable ambient temperature	-20°C~+55°C (50°C derating)
Allowable ambient humidity	0~95% RH
Max. operating altitude	2000m
Cooling mode	Intelligent air cooling