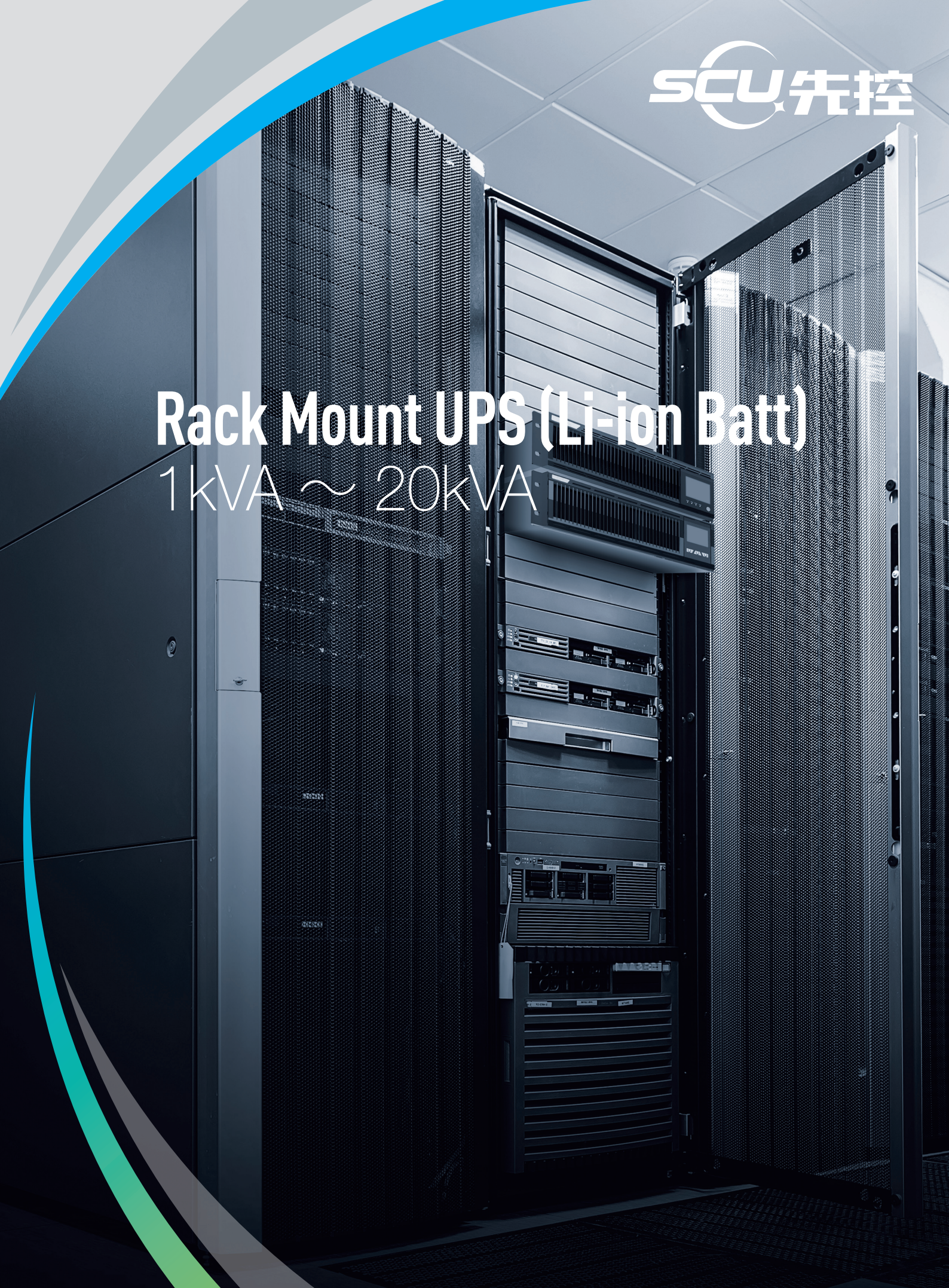


Rack Mount UPS (Li-ion Batt)

1kVA ~ 20kVA



Rack Mount UPS (Li-ion Batt) 1-20kVA

Small footprint, large capacity, high efficiency, specially designed for medium and small power requirements.

Main applications: Small data center, bank, security system, telecom etc.

Compared with lead-acid battery, lithium battery has obvious advantages in capacity, footprint, temperature range, and service life. Using lithium batteries as a UPS backup power can greatly improve system performance. Rack-mounted DSP series UPS integrates power electronic technology and digital control technology, and perfectly integrates structural design and lithium battery modules. To compare to traditional UPS, DSP UPS is much better in size, layout, operation and maintenance, safety and service life, and can meet users' integrated installation requirements.

Design Idea

Intelligent

Adopt full digital control technology, equipped with a variety of intelligent communication and alarms, to remotely monitor and control the system, make the management system easier and more convenient, and can realize unattended operation, which brings great convenience to users.

High efficiency

UPS combined with lithium battery system, upholding the principle of green environmental protection, energy saving and high efficiency, longer service life, reduce the frequency of user replacement, and save costs.

Small footprint, Big capacity

Rack mounted for installation to make full use of space, so that to achieve the small footprint with big capacity.

Features

Super Strong Performance

- Online double conversion technology, and digital DSP control technology;
- Two installation ways, rack mounted and tower type. UPS can be embedded in a 19-inch standard cabinet for rack mounted installation;
- Redundancy design of key components, wider power grid adaption range and stronger overload capacity;
- Self adaptive lithium battery system.

Intelligent and Friendly

- LCD display, with rich content and powerful functions;
- Multiple intelligent communication interfaces, which are convenient for remote monitoring and control, and realize unattended operation;
- Intelligent charging solutions to meet the needs of different types of batteries.



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DSP11-1kVA/2kVA/3kVA

System capacity:

1kVA/2kVA/3kVA

Dimension:

430(482)*480*86/86*480*430 (W*D*H) mm

DSP11-6kVA/10kVA

System capacity:

6kVA/10kVA

Dimension:

430(482)*643*86/86*643*430 (W*D*H) mm

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DSP31-10kVA

System capacity:

10kVA

Dimension:

432(482)*655*132.5/132.5*655*432 (W*D*H) mm

DSP31-15kVA/20kVA

System capacity:

15kVA/20kVA

Dimension:

432(482)*655*265/265*655*430 (W*D*H) mm

Parameters

Model		DSP11-1kVA	DSP11-2kVA	DSP11-3kVA	DSP11-6kVA	DSP11-10kVA
AC Input	Mode	1Ph+N+PE				
	Voltage	220V AC				
	Frequency range	50Hz/60Hz±10%				
	THDI	≤ 10%				
	PF	0.99				
DC Input	Rated voltage	48V DC			192V/240V DC	
	Access to lithium-ion battery	Standard				
AC Output	Voltage	220V/230V/240V AC				
	PF	0.9				
	Frequency	50Hz/60Hz				
	Voltage stability	≤ ±1%				
	Output voltage recovery time	≤ 20ms				
	Switching time from grid to battery	0ms				
	Peak factor	3:1				
	THDV	≤ 2%(liner load); ≤ 4%(non-liner load)				
	Overload ability	125% load, 10 minutes				
	Overall efficiency	≥ 90%			≥ 92%	
Others	Structure	Embedded in 19 inch cabinet/tower installation				
	Temperature for storage	-25°C -60°C				
	Temperature for operation	-5°C -40°C				
	Altitude	≤ 5000m , derating if above 1000m				
	Relative humidity	≤ 95% non-condensation				
	IP	IP20				
	Cooling	Forced air cooling				
	Interface	Standard: R232; Optional: RS485 card, SNMP card				
	Noise	< 55dB				

Parameters

Model		DSP31-10kVA	DSP31-15kVA	DSP31-20kVA
AC Input	Mode	3Ph+N+PE		
	Voltage	380V AC		
	Frequency range	50Hz/60Hz±10%		
	THDI	≤ 20%		
	PF	0.95		
DC Input	Rated voltage	192V/240V DC		
	Access to lithium-ion battery	Standard		
AC Output	Voltage	220V/230V/240V AC		
	PF	0.9		
	Frequency	50Hz/60Hz		
	Voltage stability	≤±1%		
	Output voltage recovery time	≤20ms		
	Switching time from grid to battery	0ms		
	Peak factor	3: 1		
	THDV	≤2% (liner load) ; ≤4% (non-liner load)		
	Overload ability	125% load, 10 mins		
	Overall efficiency	≥92%		
Others	Structure	Embedded in 19 inch cabinet/tower installation		
	Temperature for storage	-25°C -60°C		
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	Altitude	≤5000m, derating if above 1000m		
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	Cooling	Forced air cooling		
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	Noise	< 55dB		



Sicon Chat Union Electric Co., Ltd. (referred to as: Sicon Electric), is an industry leading electrical and power electronic product designer and manufacturer. Sicon Electric take the lead in promoting and encouraging environment protection products, provide complete solutions for UPS & Data Center, Electric Vehicle Charging Infrastructure, Energy Storage.

Sicon: Leader of Modular UPS Industry

ISO9001, ISO14001 certified Sicon plant, CE approved Sicon UPS, Own proprietary intellectual property right of Sicon Modular UPS and power products.

Advanced solutions: Modular UPS + Li-ion Battery Backup

- 6kVA~1200kW Modular UPS
- flexible, customized Li-ion Battery System

Professional modular UPS supplier

We have been developing modular UPS since 2002. Resulting in a full range modular UPS from 6kVA to 1200KW. Various types of UPS module: 6kVA, 10kVA, 15kVA, 25kVA, 30kVA, 50kVA, 75kVA.

Powerful marketing & service network

Company service center, throughout the world, provide a powerful marketing and service network. Sicon has established a powerful marketing and service network. With the HQ in China and a subsidiary in Europe we support customers and partners in more than 50 countries worldwide.

Time to Join Sicon

We welcome worldwide distributors and partners to join us and write the future together. Upholding the customer-oriented principle, we provide customers with cost-efficient, green-quality, and high-reliability power distribution solutions through continuous technological innovation, and become the leader in power distribution and supply area.



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