

The Future in Power Protection

Sicon Chat Union Electric Co.,Ltd | SCU Power Systems B.V.

www.scupower.eu





Product Portfolio

Product lines

1 UPS



UPS



1 Data Center



UPS power distribution



inverter



raised floor



micro datacenter

2 EV/charger



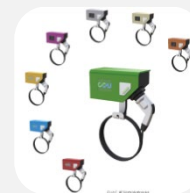
DC Fast-chargers



AC&DC charging station



home AC charging station



commercial AC charging station



on-board charger

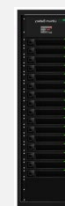
3 Energy Storage



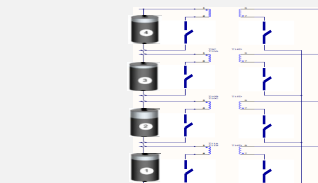
Bidirectional storage power supply



Bidirectional power converter



energy storage system



battery management system



Datacenter Products

Data Center Products

1

UPS



modular CMS UPS



embedded ERMS UPS



DSM digital UPS



DSP rack mount UPS

2

UPS power
distribution



static transfer switch



Smart PDU

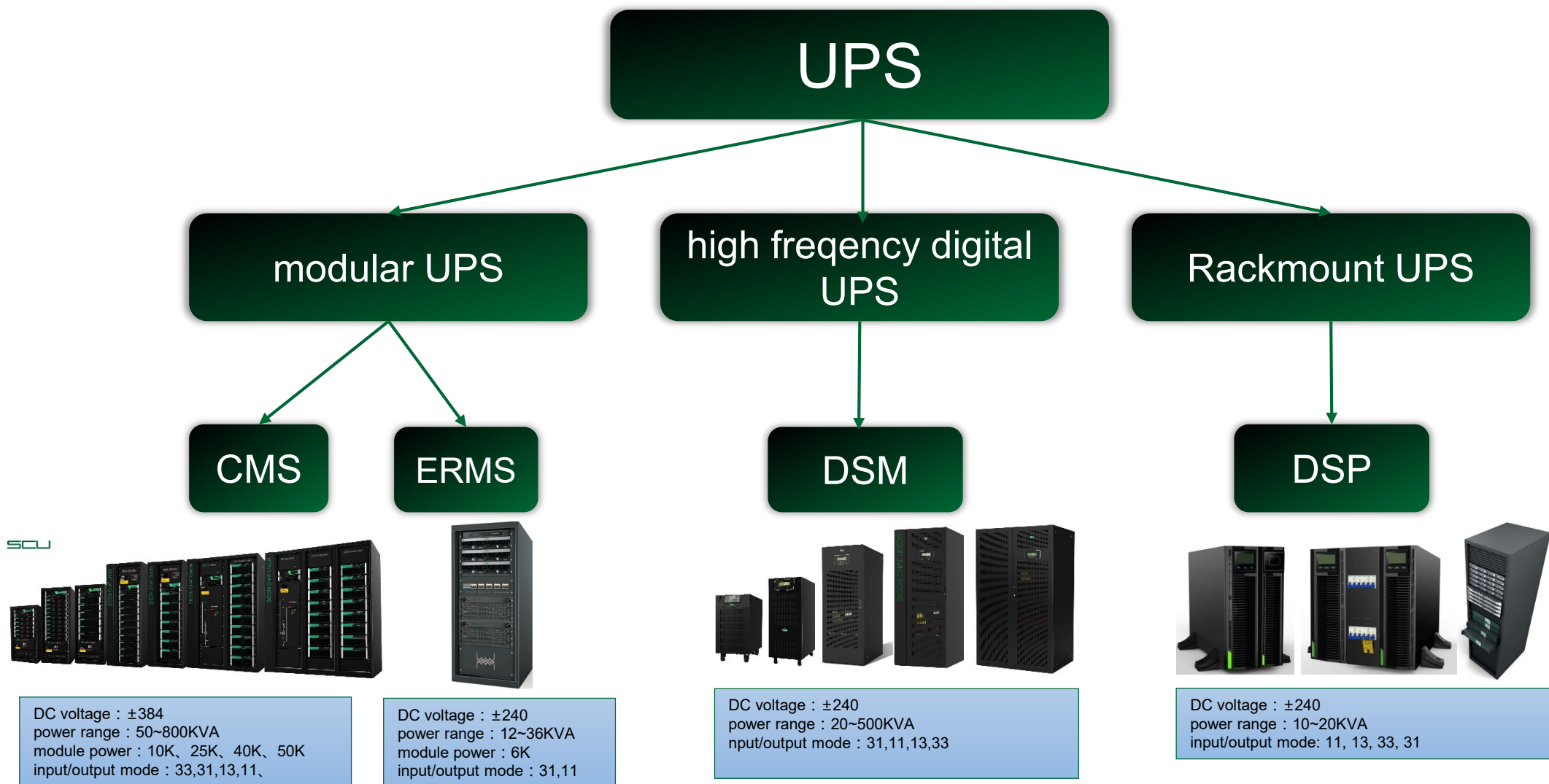
3

inverter



inverter

Uninterruptible Power Supply



CMS

series modular UPS

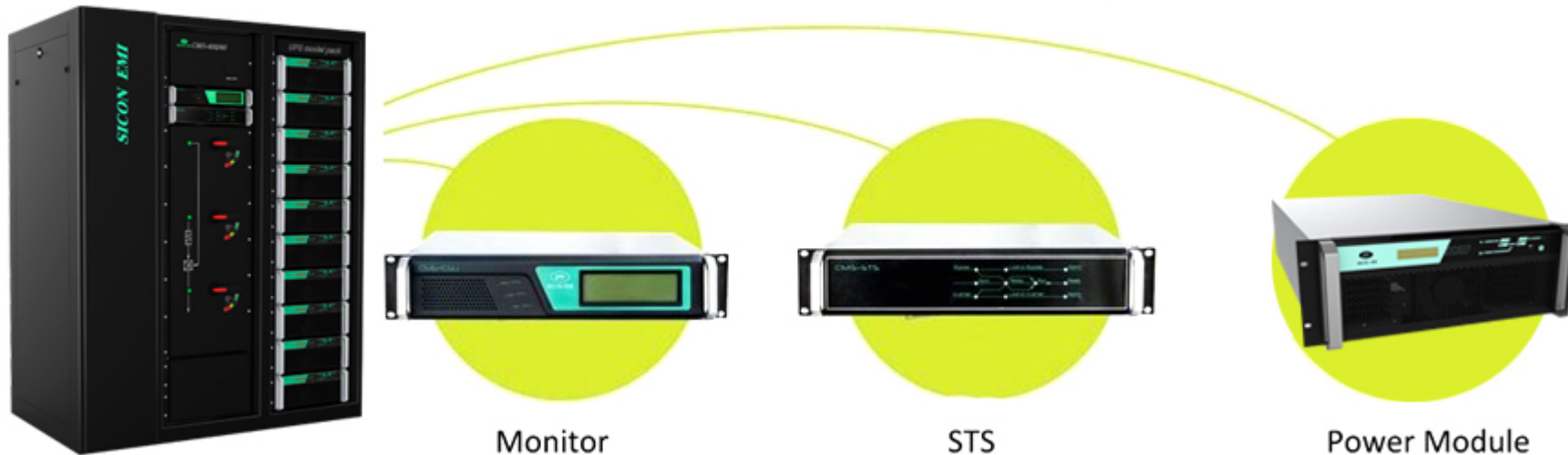
Application: IDC data center, government, telecom, bank, security, transportation, broadcast&TV network, HealthCare, Communication, E-business, Finance, etc.

CMS UPS units are non-isolated, industrial level, green UPS, adopting advanced modular power protection concept. It delivers the best combination of rectifier, filter, charger, inverter and intelligent power protection. Applying innovative current sharing rectifier control, master-slave synchronization in sequence control, multi-level decentralized control and 3-level sine wave modulation technology, it features great proven efficiency, flexibility and reliability.

Modularized system

■ Modular UPS Components

Pay as grow



All electronic parts are installed in the module, All modules are hot-swappable.

Optimization of investment + Optimization of configuration

Standard design



10kVA



25kVA



40kVA



CMS-50

CMS-100

CMS-200

CMS-300

CMS-400

CMS-640

- Standardized, modular, high-efficiency production;
- Reduce stock, production costs, shorten delivery

Wire in/out
mode:
3/3, 3/1, 1/3, 1/1

Optimised design

SCU



10kVA



25kVA



50kVA



CMS-50

CMS-100

CMS-150

CMS-250

CMS-350

CMS-500

CMS-800

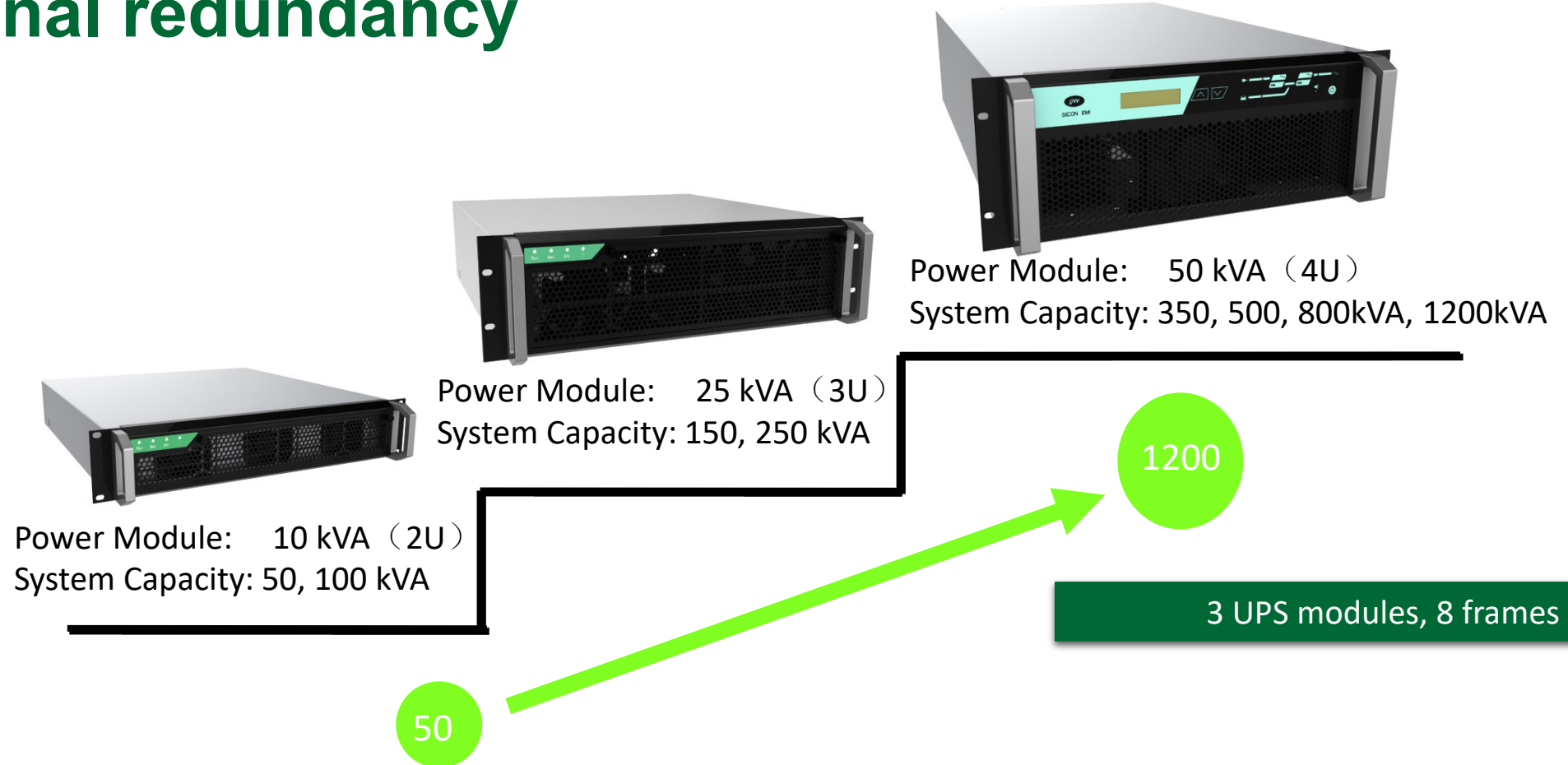
CMS-1200

- 50KVA module, highest power density
- one breaker system for cost efficiency

Wire in/out
mode:
3/3, 3/1, 1/3, 1/1



Rational redundancy



- Rational Redundancy, 4+1, 8+2, 12+3 (advised redundancy rate around 10%~20%)

CMS model



CM10 UPS module

CMS-50KVA

5 module rack, 50KVA
600(W)*800D*1200(H)



CMS-100KVA

10 module rack, 100KVA
600(W)*800D*1600(H)



CMS model



CM25 UPS module

CMS-150KVA

6 module rack, 150KVA
600(W)*800D*1600(H)



CMS-250KVA

10 module rack, 250KVA
800(W)*800D*2000(H)



CMS-350KVA

7 module rack, 350KVA
800(W)*1000D*2000(H)



CM50 UPS module

CMS-500KVA

10 module rack, 500KVA
1400(W)*1000D*2000(H)



CMS-800KVA

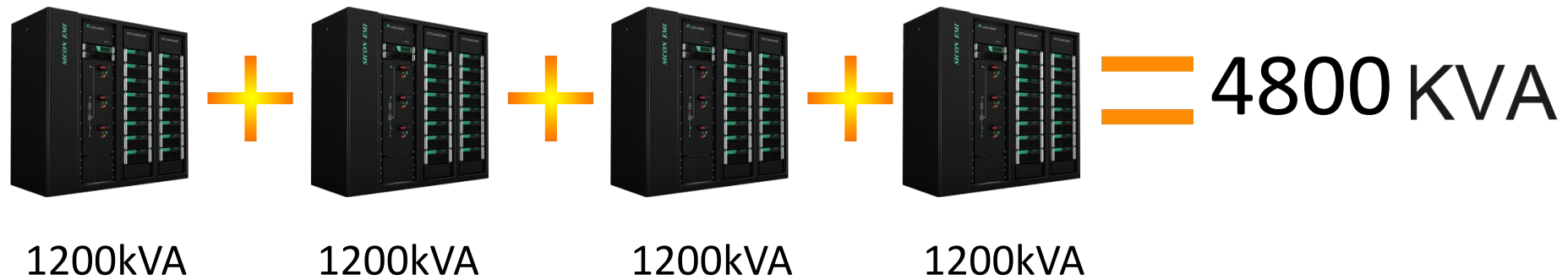
16 module rack, 800KVA
2200(W)*1000D*2000(H)

CMS-1200KVA

24 module rack, 1200KVA
2800(W)*1000D*2000(H)



Power Extension



Achieve up to 4800KVA
via 4 x 1200kVA parallel

modular UPS design concept&datacenter power supply solution

modular UPS power supply



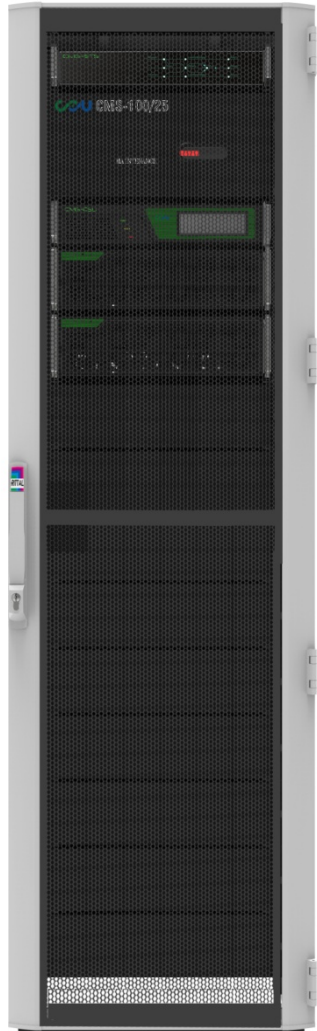
CMS

rack independent UPS

Application : System integrators, SKD, Cabinet manufacturer, Small and medium-sized data center

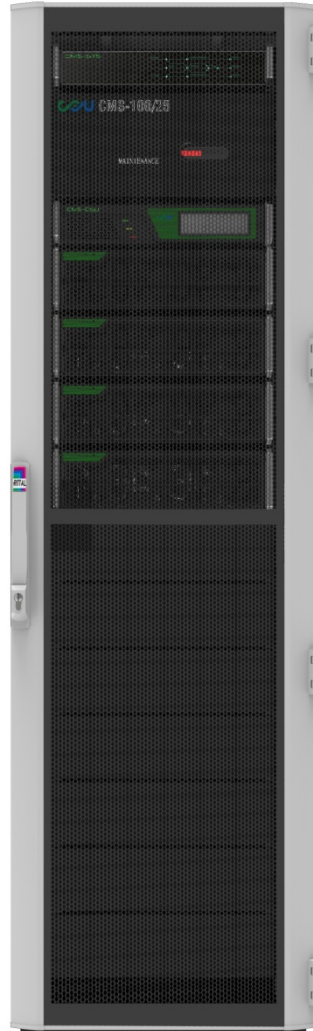
To facilitate in-row UPS rack solutions, SCU has designed the CMS Rack independent UPS. It is a modular UPS including base unit, sub module frame, and UPS modules that fits into any 600x1000mm 19 inch rack. Starting at 25kVA up to 200kVA this solution is easy to integrate into small and medium size computer room designs. This UPS solution enables you to integrate the full UPS into a HOT-COLD Corridor design of any particular brand.

CMS rack independent UPS model



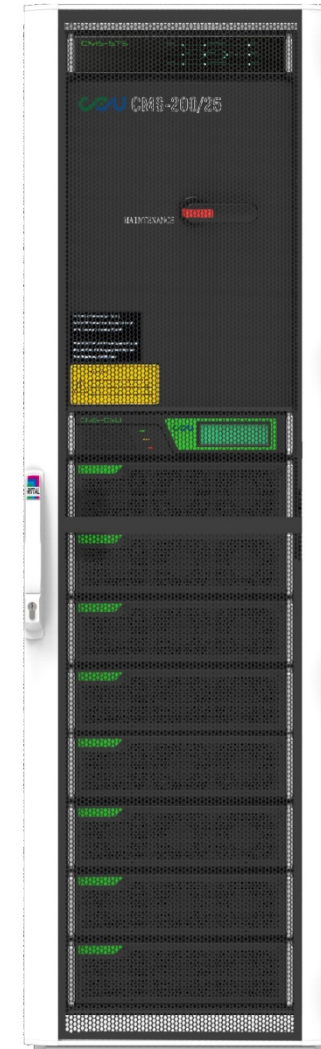
CMS/PDM-50

system capacity:
50KVA
sub module frame
capacity: 50KVA
UPS module
capacity: 25KVA
15U



CMS/PDM-100

system capacity:
100KVA
sub module frame
capacity: 100KVA
UPS module capacity:
25KVA
21U



CMS/PDM-200

system capacity: 200KVA
sub module frame
capacity: 100KVA
UPS module capacity:
25KVA
40U

product components



base unit



power module



sub module frame

base unit



RU-CMS100/25 base unit

- Input/ Output cable entries
- STS static switch 100kVA
- Maintenance By-Pass switch
- System monitoring (placed on eye height)
- Maximum size supported 100kVA/90kW
- input/output 3/3, 3/1, 1/3, 1/1
- 380/220VAC, 400/230VAC, 415/240VAC, 50/60Hz
- SNMP interfacing
- fits into any 19inch frame
- Height Base Unit is 9U

RU-CMS200/25 base unit

- Input/ Output cable entries
- STS static switch 200kVA
- Maintenance By-Pass switch
- System monitoring (placed on eye height)
- Maximum size supported 200kVA/180kW
- input/output 3/3, 3/1, 1/3, 1/1
- 380/220VAC, 400/230VAC, 415/240VAC, 50/60Hz
- SNMP interfacing
- fits into any 19inch frame
- Height Base Unit is 16U



sub module frame



RU-CMS MSF2 sub module frame

- Fits up to 2x 25kVA/22,5kW UPS modules
- maximum size 50kVA per CM/A50F
- maximum 1 MSF2 with RU-CMS100/25 base unit
- fits into any 19inch frame
- Sub module frame height 6U total



RU-CMS MSF4 sub module frame

- Fits up to 4x 25kVA/22,5kW UPS modules
- maximum size 100kVA per CM-100F
- maximum 1 MSF4 with RU-CMS100/25 base unit
- maximum 2 MSF4 with RU-CMS100/25 base unit
- fits into any 19inch frame
- Sub module frame height 12U total

power module



CM-25 power module

- 25kVA/22.5kW UPS modules
- maximum 8 CM25 UPS modules per Rack-CMS200/25 base unit
- 3 phase input/output
- 400/230VAC, 50Hz
- dimension: 482*465*133(W*D*H)mm

Features

Online hot swappable

all module online hot swappable, maintenance, expansion.



embedded standard cabinet

embedded 19 inch cabinet, easy installation.

system redundant

System with online expansion function, according to the load dynamic expansion, to ensure system redundancy

Fault tolerance

power module share the load, with fault isolation function, great fault-tolerant



Flexible configuration

Configuration according to the actual need base module, UPS module rack, remaining space, batteries, transformers, PDU, etc.

Tier 4 design

meet T4 degree demands even small datacenter

Multi output mode

Suitable for single phase or three phase load demands.

ERMS

series embedded modular UPS

Application: Small and medium power ICT room

ERMS series UPS is an embedded modular UPS of low and medium power developed by SICON. With flexible structure, it could be embedded in standard 19 inch cabinet or work independently for decentralized power supply.

It features superb input and output performance indexes. As a product with the smallest size, the highest efficiency and the greatest power density in the industry, it boasts an extremely high cost-efficiency..

ERMS series UPS

- system capacity: 12kVA、24kVA、36kVA, UPS module: 6kVA.



capacity: 36KVA
dimension: 480*600*310 (W*D*H)



capacity: 24KVA
dimension: 480*600*220 (W*D*H)



capacity: 12KVA
dimension: 480*600*132 (W*D*H)



6kVA module
(1/1 mode)



monitor

ERM-06 specification

Model	ERM-06
Capacity	6KVA
Input/Output mode	3/1
Input PF	≥ 0.99
THDI (%)	$\leq 3\%$
Overload ability	Comply to system overload requirement
Charging power	1600W
Weight (kg)	7



DSP

series digital UPS

Application field: High power density data center, bank, security, vending machines system, Telecom/VoIP, etc..

DSP Series Rackmount UPS: High frequency On-line double conversion technology; Both of Rackmount and Tower are available. Parallel function: AC output could be worked in parallel. 1+1 redundancy in power module give protection on users' data center.

Function: clean and persistent power supply, protect key equipment and Apps to be safe against shunt down, data loss and process interrupt which is caused by powerfail



DSP-10KVA/15KVA/20KVA

capacity: 10kVA/15kVA/20kVA

wire in/out mode: : 3/1、3/3

Rackmount / Tower

battery voltage: $\pm 240V$ (210~290)

charging power: 2KW (4A)

dimension: 430*615*132(W*D*H)



battery pack

Lithium battery pack



Features: High volume density and weight density, saving space, reducing line loss, safe and reliable. Standard specifications, 19" rack type.

Model	Capacity (AH)	Dimension (mm)	Weight (kg)	Model DSP	Full load backup time	Half load backup time	Remarks
DUPL2440	24V40AH	430(W)*395(D)*86(H)	10	DSP11-1KVA-24L	55 mins	120 mins	
DUPL4820	48V20AH	430(W)*395(D)*86(H)	11	DSP11-2KVA-48L	24 mins	55 mins	
DUPL7215	72V15AH	430(W)*395(D)*86(H)	12	DSP11-3KVA-72L	17 mins	39 mins	
DUPL24015	240V15AH	430(W)*622(D)*131(H)	30	DSP11-6KVA DSP11-10KVA	34 mins 18 mins	75 mins 40 mins	
DUPL24015	240V15AH	430(W)*622(D)*131(H)	30	DSP-10KVA DSP-15KVA DSP-20KVA	40 mins 25 mins 18 mins	95 mins 55 mins 40 mins	Two battery packs for one UPS (±240V)

DSP series UPS features

- The host with main frame, vertical installation design for users free choice; rack installation, can be put into 19 inch standard network cabinet. only height 3U



Tower



Rackmount

DPJ

series modular Integration of power distribution system

SICON DPJ series intelligent modular power distribution system (IMPDS) provides safe, manageable, scalable, maintenance input and output power distribution solution for UPS. We have Input & output IMPDS and output IMPDS. The IMPDS can real detect various index of the outlet optimize the cable management. The modular structure outlet switch supports online expansion and maintenance, and simplifies the installation and commission.

DPJ model

DPJ-160/200/250/300/400

- system capacity: 160A/200A/250A/300A/400A
- dimension: 600*1000*2000 W*D*H (mm)
- weight: about 300kg



DPQ

series static transfer switch

DPQ series STS (Static Transfer Switch) solution provides an automatic, seamless transfer between your business-critical load and the outputs of two independent UPS Systems in a dual-bus power configuration.

DPQ model

DPQ 11

- system capacity: 10A/20A/32A
- dimension: 440*380*44 W*D*H (mm)



DPQ 33

- system capacity: 100A/160A/200A/250A/400A
- dimension: 600*800*1400W*D*H (mm)



DHP

series rack inverter

Application: IT room, Intelligent management system, emergency lighting

DHP11 series inverter is DC-AC sine wave inverter. output power 1KVA, 2KVA, 3KVA. it is small size, light weight, high efficiency. with high power density, applicable for IT room, intelligent management system and emergency lighting. DC inout volatge 48VDC, 110VDC, 220VDC. single phase AC output . load could be Inductive load, conductive load.

DHP inverter components



capacity: 1KVA/2KVA/3KVA
dimension: 19"W*300D*1UH
DC input: 24V/48V/110/220VDC
AC output: 220VAC
single phase, with bypass

operation principle: mains input
and DC input, master or standby.

DTP

series modular rack inverter

Application: Telecommunication station, electrical substation and environments with poor utility grid conditions.

DTP series modular Inverter is pure sine wave, single phase, DC-AC inverter for critical telecom and electric power equipments. The DC input could be 48VDC, 110VDC or 220VDC. It is modular architecture, consisting of system rack and inverter modules, which could configure various power capacities by adding modules. With N+1 redundant design, if one inverter fails, it will withdraw from the system and the inverter system keeps supply to load.

DTP models



DTP-09

- system capacity: 9KVA
- weight: about 23KG



DTP-18

- system capacity: 18KVA
- weight: about 25KG

DTP inverter Features

- input DC voltage: 48V、 110V、 220V
- modular design, power module and monitor module could be hot swappable.
- Complete system protection which is input/output over-voltage and under-voltage protection, overload protection and so on
- System superior switching function can be quickly converted in the synchronous and asynchronous situations.



SCU

SAFE & SAVE POWER

SCU ensures reliable flexible secured power with high efficiency (TUV certified) and unparalleled warranty conditions up to 5+5 year. A balanced advanced true modular electronic design using industrial grade components.

From component and raw steel sheets to the individually tested end product is all performed and controlled in the SCU factory. With more than 400 employees of which 80 are in the R&D department we offer a truly trustworthy and future-proof solution to all our customers worldwide.

An aerial photograph of a large, multi-level highway interchange with several overpasses and ramps. The scene is captured during sunset, with the sun low on the horizon, casting a warm orange glow across the sky and the city in the background. The highway is filled with cars, and the surrounding area includes urban buildings, a body of water, and a bridge in the distance. A semi-transparent rectangular box is overlaid on the right side of the image, containing the word "advantages" in green text.

advantages

Advantages



modular standardized components, shortening the period of on site construction and extension

Easy installation



Intelligent monitoring improves equipment reliability, reduces maintenance, improves maintenance efficiency

intelligent design

Standardized, efficient products, reducing data center construction, operation and maintenance costs

low TCO



High efficiency design
Proven by independent body
TÜV Rheinland
Flat line up to 96.5% system efficiency

Save energy



Hot-swap design, easy to maintenance and expansion, improved system availability; fault isolation design, greatly improving system reliability.

modular design



High quality
5 year warranty
Low maintenance

High Reliability

Applications



Medical



Finance



Education



Telecom



Retail



Production



Transportation



Aviation / Radar station

Applicable for small to large organizations for server rooms, mission critical systems and equipment, etc.

Advantages for our distributors



Exclusivity for country or territory

Exclusivity



Direct support, possibility for special product development, direct line to factory through European headquarter in The Netherlands

Flexibility

Clear European price strategy and protection. Standard warranty fee per frame

Price Protection



Possibility for 5 year warranty including batteries!

5 Year Warranty



Direct delivery from China or from European stock in The Netherlands

Direct delivery

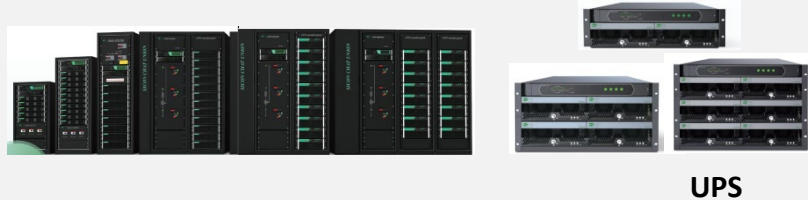


Direct technical and commercial support and training from the European HQ. Including mobile showroom (trailer)

Support

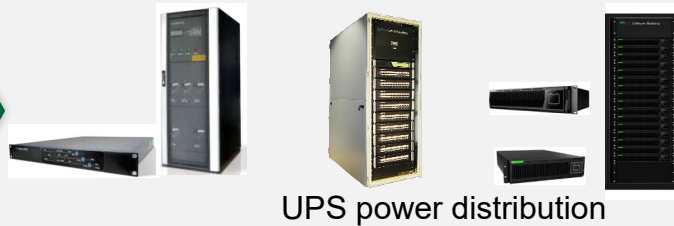
Business model

1 MODULAR



Modular UPS means easy configuration, flexibility and installation.
Modular UPS is a premium product

2 EXCLUSIVITY & PRICING



Pan-European fixed 3-TIER price strategy.
Distributor – Reseller - Enduser

3 STOCK & SERVICE & SPARES

No special spare parts needed!
Every electronic part is a hot-swappable standardized module.
Fixed warranty fee for up to 10 years

4 SUPPORT & FUTURE PROOF



Direct support from The Netherlands SCU team. Commercial and technical
Full inverter based product range.



SAVE & SAFE POWER

www.scupower.eu

