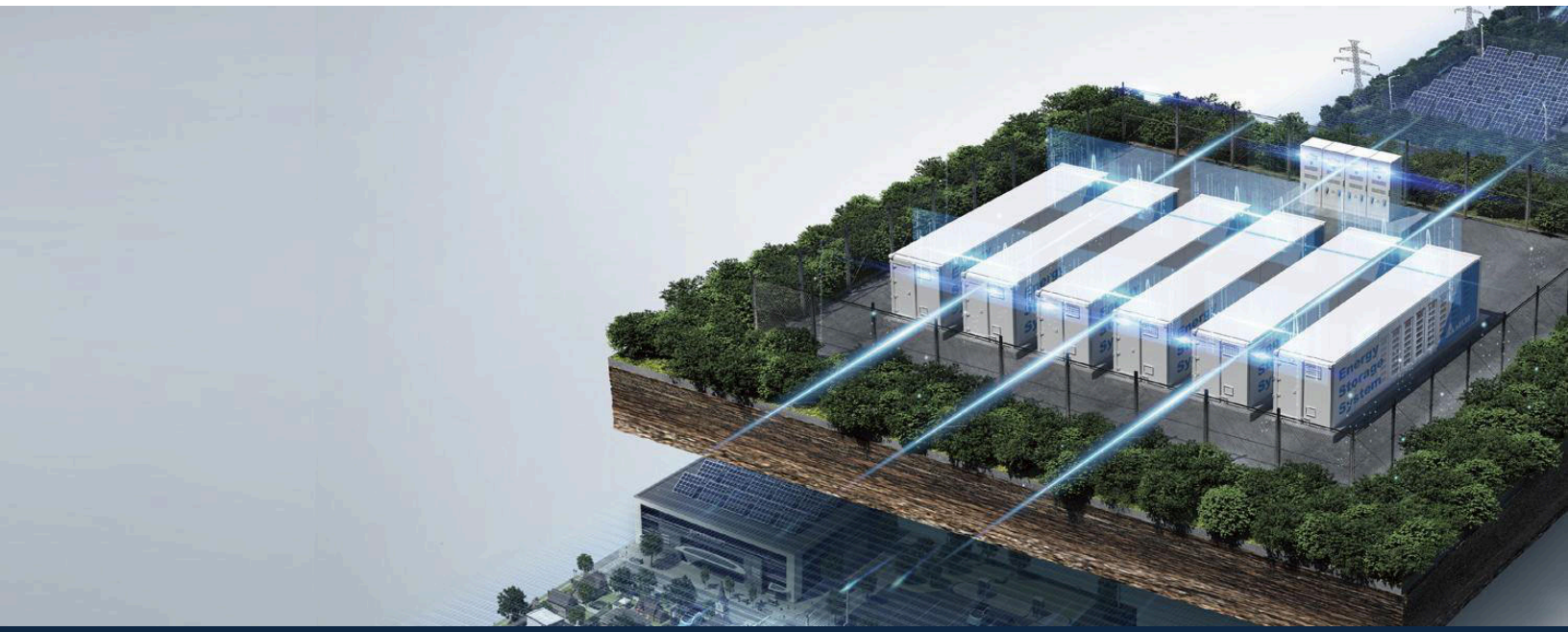
CROWN MOUNTAIN SOLUTIONS

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PRODUCT CATALOGUE 2026

Data Centre Power and Infrastructure Equipment

Prefabricated data centres, UPS, transformers, switchgear and distribution, cooling and energy storage.



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About This Catalogue

Crown Mountain Solutions supplies power and infrastructure equipment for data centre projects from 5 to 100 MW, with design support and prefabricated solutions. This catalogue lists the principal product lines, with ratings for North American 480 V, 60 Hz systems shown first. Products and brands can be substituted to suit the project specification.

Supply Notes

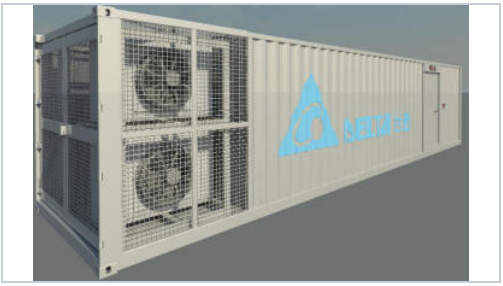
Lead time	Most products ship within three months of order.
Urgent orders	Air freight is available.
Standards	All products are UL certified. North American projects are supplied to CSA, ANSI and IEEE requirements. IEC versions for other markets.
Customisation	Products and brands are matched to the project specification or approved vendor list.
Quotation	Send a single-line diagram or equipment list. We reply within one business day.
Supply	Worldwide.

SECTION 1

Prefabricated Data Centres

Manufacturer: Delta · Factory-built and factory-tested solutions

The complete mechanical and electrical system is built and tested in the factory, then shipped and set in place. Site installation and testing time is shortened, and the solution places no requirements on the building. Three formats cover projects from a single edge container to a large campus.



All-in-One

One container holds every infrastructure system. For small and medium edge data centres with limited floor area.

Enclosure	ISO standard or ISO wide container
Capacity	5 to 13 IT racks, 20 to 150 kW per container
Cooling	Air-cooled direct expansion or chilled water
Reliability	Tier III configuration



Modular

Separate containers for IT, power, batteries and cooling, joined on site. For edge to cloud data centres. Capacity grows module by module.

Enclosure	ISO standard or custom containers
Capacity	Modular, from low to high power density
Cooling	Air-cooled direct expansion, chilled water or liquid cooling
Reliability	Tier III configuration



Subsystem

Power and cooling systems prefabricated outside the building as containers or skids. For medium and large data centres. Frees floor area for IT racks.

Enclosure	ISO standard or wide containers, power skids
Scope	Power distribution and cooling system modules
Capacity	Modular, sized to the IT load
Reliability	Tier III configuration

Customisation: any component or brand can be substituted to the project specification. Layouts, capacities and redundancy are engineered for each project.

SECTION 1 · CONTINUED

Prefabricated Modules: POD Series

Manufacturer: Delta

	MODULE	DESCRIPTION
	**Edge-POD** All-in-one mobile container	Standard shipping container with power input, lithium-ion backup, air or cold-plate liquid cooling, IT racks and DCIM, pre-installed and pre-commissioned. Backup 15 minutes as standard, extendable to 1 to 2 hours. PUE 1.25 or lower with air cooling, 1.15 or lower with liquid cooling. Liftable and redeployable.
	**Rack-POD** Single rack, 50 to 300 kW	Rack with power shelf, busbar, CDU, manifold and monitoring. AC or 800 V DC supply. PUE 1.10 or lower. Deploys without civil works. Includes the HEC cold-plate rack series.
	**Module-POD** Micro-module, multiple racks	Power, cooling, backup and monitoring as plug-in modules, air or liquid cooled. Three versions: rack-level 5 to 20 kVA, row-level with horizontal airflow, and rear-door cooling with over 90% factory prefabrication. PUE from below 1.3 to 1.2.
	**Building-POD** Campus-scale skids	The complete AI data centre divided into standard container skids, built in the factory and joined on site. AC, DC or hybrid power, including UPS power modules, HVDC and SST. Prefabrication 95% or higher. 10 MW class delivered in six months or less.

Design, Production and Testing



Container integration workshop, Delta Wujiang plant

Design	2D and 3D CAD, BIM and finite-element analysis. Clash checks and quantity take-off before production.
Enclosures	Capacity of 800 standard containers (20, 40 and 45 ft) and 200 custom containers per month.
Integration	Dedicated container integration workshop and test bay.
Testing	Structural and stacking tests on enclosures. Functional test of each module before shipment.
Programme	About six months for a 12-container project, from requirement to site completion. Indicative only.
Accreditation	Uptime Institute accredited tier designers in the design team.

SECTION 2

Uninterruptible Power Supplies

Manufacturer: Delta · Models for North American 480 V, 208 V and 120 V systems

Online double-conversion UPS for 60 Hz systems, from rack units for network rooms to megawatt systems for hyperscale data centres. Lithium-ion batteries from CATL can be supplied and commissioned with the UPS.

Ultron DPM Gen2, 480 V



Ultron DPM Gen2

Ratings	600 to 2,500 kVA in eight sizes (kW = kVA)
Voltage	480 Vac, three-phase three-wire plus PE
Efficiency	Up to 97.5% online. Up to 99.2% in Clean mode.
Short-circuit rating	65 kA or 100 kA
Parallel operation	Up to 8 units. Synchronized Multiple Bus.
Batteries	VRLA, vented lead-acid, lithium-ion or Ni-Zn
Application	Hyperscale and large data centres

Other Models for North America

	SERIES AND RATING	DESCRIPTION
	**Modulon DPH** 480 V: 50 to 500 kW 208 V: 15 to 105 kVA	Modular three-phase UPS. Capacity and redundancy are added with hot-swappable power modules. Compact design.
	**Ultron NT** 480 V: 15 to 100 kVA	Three-phase UPS for commercial and industrial loads. Parallel operation with a common battery.
	**Ultron HPH** 208/120 V: 20 to 60 kVA	Three-phase UPS for small and medium data centres and network rooms.
	**Amplon RT** 120 V: 1 to 3 kVA 208 V: 5 to 10 kVA	Single-phase UPS for rack or tower mounting. Extended battery cabinets available.

Models and ratings as listed by Delta for North America. Technical data for the DPM Gen2 is on the next page.

SECTION 2 · CONTINUED

Ultron DPM Gen2, 480 V: Technical Data

Manufacturer: Delta

MODEL	900K	1200K	1500K	1800K	2100K	2500K
Rating	900 kVA	1,200 kVA	1,500 kVA	1,800 kVA	2,100 kVA	2,500 kVA
Charge current	375 A	500 A	625 A	750 A	1,000 A	1,125 A
Width	2,710 mm	3,070 mm	3,400 mm	4,530 mm	4,870 mm	5,903 mm
Net weight	2,026 kg	2,408 kg	2,779 kg	4,174 kg	4,551 kg	5,820 kg

All models are 990 mm deep and 2,000 mm high. kW rating equals kVA rating. 600 kVA and 2,400 kVA models are also listed by the manufacturer.

Input

Nominal voltage	480 Vac, 3P3W + PE
Voltage range	408 to 552 Vac at full load
Frequency range	40 to 70 Hz
Current distortion	THDi below 3% at full resistive load
Power factor	Above 0.99 at full load
Short-circuit rating	65 kA or 100 kA

Output

Nominal voltage	480 Vac, 3P3W + PE
Voltage regulation	±1% static
Frequency	50 or 60 Hz, ±0.05 Hz
Voltage distortion	THDv below 1% with linear load
Overload	110 to 125% for 10 minutes. 126 to 150% for 1 minute.
Crest ratio	3 : 1

Efficiency

Online mode	Up to 97.5%
Clean mode	Up to 99.2%

Battery

Types	VRLA, vented lead-acid, lithium-ion, Ni-Zn
Nominal voltage	480 Vdc

System

Parallel operation	Up to 8 units
Display	10-inch colour touchscreen
Protocols	SNMP, Modbus RTU, Modbus TCP/IP, HTTP(S)
Operating range	0 to 40 °C, 0 to 95% humidity, non-condensing

Source: Delta Ultron DPM Gen2 480 Vac product leaflet.

Other Delta UPS Series

For 380, 400 and 415 V systems: Amplon N, R and RT (1 to 20 kVA), Modulon HIFT and DPH (20 to 1,250 kVA), Ultron HPH, NT, DPS and DPM (20 to 2,100 kVA). Details on request.

SECTION 3

Transformers

Manufacturers: JST · Pearl Electric · Solid-state transformers from Delta or JST

Distribution and power transformers for utility intake, data centre and industrial duty, built to ANSI, IEEE, CSA or IEC requirements as specified.

	TYPE AND RANGE	DESCRIPTION
	**Oil-immersed power transformers** Up to 230 kV, up to 180 MVA	ONAN, ONAF or OFAF cooling. On-load tap changer available. Mineral oil, natural ester or silicone fluid. IEEE C57.12 or IEC 60076.
	**Pad-mounted and distribution transformers** 25 kVA to 10 MVA	Single and three-phase. 12.47, 13.8 or 34.5 kV primary. Dead-front or live-front, loop or radial feed. ANSI C57.12. UL and cUL listed.
	**Cast-resin dry-type transformers** Up to 30 MVA, up to 69 kV	80 °C or 115 °C temperature rise. NEMA 1, 3R or 4X enclosures. UL 1562 and IEEE C57.12.01.
	**VPI dry-type transformers** Ratings on request	Vacuum pressure impregnated windings with Class H (180 °C) insulation. Ventilated enclosures for indoor or outdoor installation.
	**Compact and prefabricated substations** Up to 10 MVA, 6 to 40.5 kV	High-voltage switchgear, transformer and low-voltage switchboard in one enclosure. Containerised versions available.
	**Solid-state transformers (SST)** 840 to 3,360 kVA	Medium-voltage AC converted directly to DC for AI data centres and industrial DC loads. N+X redundancy and prefabricated busbar connections.

Voltage class, impedance, losses, sound level and accessories are engineered to the project specification. Factory test reports are supplied with each unit.

SECTION 4

Switchgear, Distribution and Power Quality

For 480/277 V, 60 Hz systems · IEC equipment on request

Low-voltage distribution for the data hall power chain, from the service entrance to the rack, engineered to the project single-line diagram.

Equipment for 480/277 V Systems

Switchboards	Service-entrance rated, 480/277 V, three-phase four-wire, to 4,000 A. Main and feeder breakers to the project schedule.
Busway	480/277 V, to 2,000 A, with tap boxes sized to the rack loads.
Transfer switches	Automatic transfer switches, 480/277 V, to 2,000 A, to UL 1008.
PDU and RPP	Cabinet and rack power distribution units, remote power panels.
MV switchgear	Metal-clad and gas-insulated switchgear, 5 to 38 kV.

Power Quality

	SERIES AND RATING	DESCRIPTION
	**PQC active power filter** 50 to 800 A	Real-time compensation of harmonics, reactive power and unbalance, without the resonance risk of LC filters. Wall-mount, cabinet or embedded.
	**PQC static var generator** 50 to 800 kvar	Dynamic reactive power compensation for industrial, commercial and infrastructure loads.
	**APURA supercapacitor compensator** Modular, UPS output side	Absorbs GPU load swings in AI data centres. Works with third-party UPS without changes to the UPS or batteries.

IEC Equipment

For 400 V, 50 Hz systems: MNS and Blokset low-voltage switchgear to 6,300 A, KYN28A-12 medium-voltage switchgear from 3 to 12 kV, XL-21 UPS distribution cabinets and SPDC row-head cabinets. Details on request.

SECTION 5

Cooling and Prefabricated Power Systems

Manufacturer: Delta

	SERIES AND RATING	DESCRIPTION
PRECISION COOLING		
	**B Series room cooling** Air-cooled, small and medium rooms	Scroll compressor and EC fans. Precise temperature and humidity control for continuous operation.
	**M+ Series room cooling** 25 to 120 kW	Modular design with inverter compressor and EC fans. Supports aisle containment and free cooling. PUE as low as 1.3.
	**R Series row cooling** Air-cooled, close-coupled	DC inverter compressor modulating from 20% to 100%. Cools at the heat source. Group control over RS485, CAN and Ethernet.
	**Evaporative condenser** For direct expansion systems	Combines water and air cooling. Over 30% energy saving against air-cooled condensers.
PREFABRICATED POWER SYSTEMS		
	**SST solid-state transformer** 840 to 3,360 kVA	Medium-voltage AC converted directly to DC for AI data centres. Efficiency up to 98.5%. Input power factor 0.99, iTHD below 3%. N+X redundancy.
	**HIP integrated AC power module** Transformer to UPS output	Transformer, input and output cabinets, reactive compensation and active filter in one prefabricated line-up. Saves over 50% of floor area.
	**Medium-voltage HE UPS** 1 to 20 MW	Medium-voltage AC output. Works with flywheel, lead-acid or lithium storage. Includes active filtering and reactive compensation. System efficiency up to 99%.

Also available: liquid cooling (cold-plate CDU, liquid-to-liquid and immersion systems) and DCIM infrastructure management software. For other markets: HVP Series HVDC (240 V or 336 V DC) and DC UPS power systems.

SECTION 6

Energy Storage, Microgrid and Controls

Manufacturers: Delta · CATL

	SERIES AND RATING	DESCRIPTION
ENERGY STORAGE		
	CATL lithium-ion batteries LFP battery systems	For UPS backup and site energy storage. Supplied and commissioned with the UPS or as part of an on-site power system.
	**Delta ESS** 100 kW / 215 kWh to 5,016 kWh	Cabinets of 100/215, 125/261, 150/313 and 200/418 kW/kWh, and a 5,016 kWh container. For tariff management, solar self-consumption and microgrids.
	**DeltaGrid EMS** Energy management system	Equipment monitoring, energy and load management, operating statistics, safety management and third-party interfaces.
MICROGRID		
	**SST, DBGST series** 840, 1,680, 2,520 and 3,360 kW	System efficiency up to 98%. Up to 960 kW per cabinet. Modular, with redundant key components and distributed control.

Complete On-Site Power

Gas turbines, CATL energy storage and solid-state transformers from Delta or JST can be supplied as one power system, for sites where grid capacity is limited or the interconnection schedule is long.

Building and Facility Controls

Delta Controls building automation (enteliWEB, Red5 controllers, O3 sensors), the iCMS campus energy and carbon management platform, and DCIM for data centre infrastructure.

For other markets: medium-voltage EV charging stations, DC charging stacks and charging piles.

SECTION 7

Ordering and Contact

OTHER BRANDS

Beyond this catalogue, Crown Mountain supplies products from other tier-1 manufacturers. Contact us to discuss your requirement in detail. We supply worldwide.

How to Order

1
Enquiry
Send a single-line diagram, an equipment list or a specification.

2
Quotation
We confirm the technical details and reply within one business day.

3
Production
Most products ship within three months of order.

4
Shipping
Sea freight as standard. Air freight for urgent orders.

5
Support
Factory test reports, commissioning support and after-sales service.

Contact

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