



**MAGNUS**



## **Magnus is a leading distributor of IT & Telecom Infrastructure Products in Qatar.**

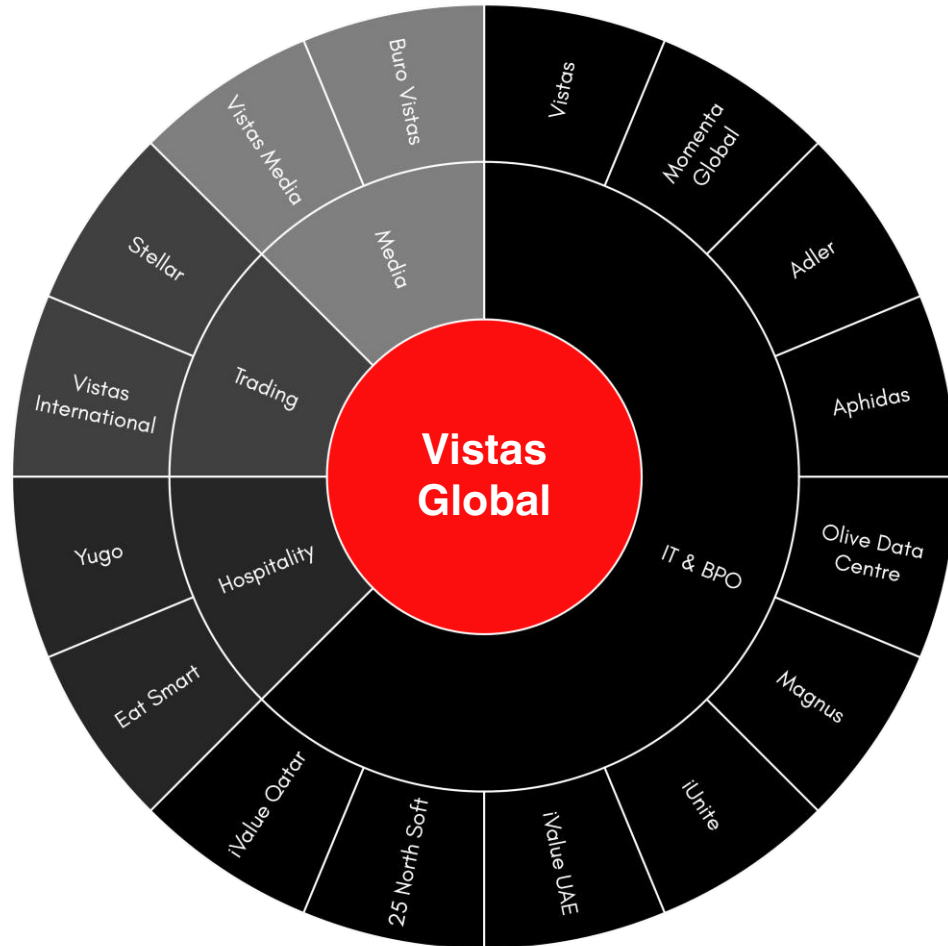
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Magnus specializes in the distribution of Power Supply & Management Solutions, Storage and Networking Infrastructure Products, and Fiber Optic Solutions. Magnus is part of Vistas Global, a Business Process Management Company that provides Technology enabled Solutions & Services, and has its Head Office in Doha, Qatar.

## About Vistas Global

Our business is structured around 13 autonomously operating divisions which together service over 100 clients across the world. The professionals within these teams work closely with other groups to develop and deliver a highly customizable set of integrated services and solutions to our clients. The system allows us to provide complete end-to-end capabilities, assigning the right professionals with the right skillset for each service or solution, who work as a cohesive team that is dynamic, agile, and adaptable.

The system also allows us to provide a consistent performance across multiple offerings at a competitive price point, which is something that sets us apart from our competition. Our global presence ensures that our delivery is not hindered by geographical restrictions.



## Partners - Canovate

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Canovate Electronics is a member of the Canovate Group, which has been in operation with different companies since 1965. Canovate Group is a global company in the field of Defense, Energy, Real Estate, Telecommunication, Fiberoptic (FTTX), Data Center, which is managed by dynamic, modern and innovative methods, with its own R&D investments and Canovate patented products.

Canovate manufactures in Istanbul with its modern production facilities located in an area of 30.000 square meters. Canovate is one of the leading companies in its field with 6 offices (US, Greece, KSA, UAE, Morocco, Philippines) exporting 60% of its production to 72 countries..

Canovate Electronics provides IT and Telecom Infrastructure technology offerings that span from complete data centers, indoor/outdoor cabinets, data center green cooling technologies to fiber optic connectivity based FTTX and fiber optic transmission and access solutions. Canovate focuses on the production of innovative, environmentally friendly, sustainable and end-to-end solutions that are in accordance with international standards, contributing to the country's economy.

**CANOVATE**<sup>®</sup>  
G R O U P



## Partners - Makelsan

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Headquartered in Istanbul, Makelsan is a leading European brand which manufactures a wide range of high technology Uninterruptible Power Supplies and power quality products from 650VA up to 8MW.

Founded in 1976, Makelsan combines R&D, manufacturing, global sales and after-sale service processes with more than 300 qualified professionals in a fully modernized 25.000 sqm factory equipped with state-of-art machinery.

Makelsan product range varies from Static & Dynamic Uninterruptible Power Supplies, Servo & Static Voltage Regulators to Renewable Energy Products, DC Power Supply, Telecom Equipments, Battery Chargers, Inverters and Datacenter Solutions.

With more than 20 area sales and service offices, 300 resellers in Turkey, over 100 global distributors worldwide and over 40 years experience in design, manufacturing and distribution in the power supply industry, Makelsan is committed to provide complete energy solutions that guarantee power quality for all kinds of critical applications.

**MAKELSAN<sup>®</sup>**  
Uninterruptible Power Supplies

# Uninterruptible Power Supply Solutions



## 01 Line Interactive UPS

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### Lion Plus Series 650 - 2000 VA

- Ideal for computers, routers/modems, game consoles and other electronics in home or small office.
- Secures your data and your equipment by protecting against power outages.
- Easily install anywhere thanks to its small size & compact design
- With AVR corrects low and high voltage conditions without using the battery
- UPS can start without mains
- LCD Status Display and audible alarms
- Plug easily to PC, HD TV, internet gateway,) thanks to IEC or Schuko outlets
- Easy management and monitoring from PC
- Equipped with data line surge protection (Internet/Tel/Fax)



**650 VA**



**1000 - 2000 VA**



## 02 Modular UPS

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### PM Series 10 - 2080 kVA

- High Performance, Modular 3-Phase Power Protection
- Scalable up to 2080kVA
- 96% High Efficiency for Data Centers and Critical Applications





## 03 Online UPS

### Powerpack SE Series 1/2/3 kVA

- True Double-Conversion Online Technology
- True Sine-wave Output provides clean energy
- High Reliability with Microprocessor Control
- 0,9 Output Power Factor
- Wide Input Voltage Range (110~300V)



## 04 Online UPS

### Powerpack SE Series 6/10 kVA

- True Double-Conversion Online Technology
- True Sine-wave Output provides clean energy
- High Reliability with Microprocessor Control
- 0,9 Output Power Factor
- Wide Input Voltage Range (110~300V)



## 05 Online UPS

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### Boxer Series 10 - 120 kVA

- IGBT PWM Rectifier & Inverter Technology
- Low Input Current THD (<3%)
- High Input Power Factor (>0.99)





## 06 Online UPS

### Levelups Series 10 -1000 kVA

- True Three Level Rectifier and Inverter Technology
- Ultra High Energy Efficiency
- Full Rated Power Factor kW=kVA



A photograph of a server room. The left side shows a perforated metal door with blue light filtering through. The right side shows server racks with various components, including drives and control panels, illuminated by blue light. Some green and red indicator lights are visible on the server units.

# Networks & Infrastructure Solutions



# 01 Maxi Data Center Solutions

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## Cold & Hot Aisle Containment System

- Optimum cooling solution for big and medium scale Data Centers coupled with CRAC units to increase efficiency of cooling system
- Increase server performance and cooling efficiency in Data Centers
- The existence of cold & hot aisle containment eliminates the existence of hot spots
- Modular Concept, Retrofittable
- Cooling capacity of up to 10kW per rack
- Green IT
- Complete system solution, including Power management, Monitoring, Cooling, and Security
- Return on investment within 30 months





## 02 Mini Data Center Solutions

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### Server Rack with Integrated Side Cooler

- Integrated monitoring system
- Rapid deployment, Low total cost of ownership
- Up to 50% less space required, No raised floor required
- Full turnkey, scalable Data Center including cooling, structured cabling, monitoring,
- Individual rack cooling up to 30 kW
- High level security within rack fire protection and monitoring systems; Advanced power management with IP PDU and UPS systems
- Internal redundancy achieved by using 3x fans, External redundancy achieved by using N+1 side coolers
- Structured cabling solutions with overhead cable channels
- Access Control options with either keypad, RFID card reader or fingerprint reader to open the cabinet doors



## 03 Micro Data Center Solutions

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### CAN-BREEZE Micro Data Center

- Extruded Aluminum frame chassis up to 2000 kg
- IP Protection : IP54
- Tempered glass front door with swing handle multi-point lock; Solid rear door with swing handle multi-point lock
- Special polyurethane gasketing on doors and panels to ensure IP protection
- Deflectors to guide cold air from the AC unit to the front of the rack
- Solid removable side panels
- Bottom sheet with adjustable IP protected cable entry
- 2 pairs of depth adjustable heavy duty 19" mounting rails; 2 pairs of adjustable feet
- Color RAL7035 or RAL 9005
- RoHS compliant, UL certified



## 04 Mobile Data Center Solutions

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### Mobile Container

- Container / Shelter size : 12192 mm x 2438mm x 2896mm (high cube : 40 ft)
- Outer / Inner sheet : Pre-painted Galvanized GI Sheet
- Sheet Thickness : 0.6mm
- Rockwool insulation thickness : 50mm overall
- Floor Panel : 100 mm thickness (19mm plywood with 80 mm rockwool insulation and 0.6 mm sheet thickness)
- Primary roof
- 1 m. extended ISMB / ISMC
- Cable Tray
- Door lock system





## 05 In-Row Cooling Systems

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### Front Cooler : Chilled-Water Based

- Specially developed for cold & hot aisle containment applications
- Modular construction; In-Row Technology; No raised floor required; Allows capacity expansion
- Variable speed fans
- 30 kW or 60 kW cooling capacity
- Temperature controlled fans
- Hot-swappable fans
- EC-Technology
- No condenser needed due to 14°C inlet water temperature; Increased free cooling capacity enabled by high inlet water temperature 14°C
- Remotely control and monitor coolers with optional SNMP card.



## 06 Power Distribution Unit

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### Basic PDU

- 1U-1.5U Horizontal and 0U Vertical enclosure with C13,C19, Schuko, UK, French, Universal Type and etc. availability.
- 115V AC-230V AC, 50/60 Hz, 13-16 Amp or 32-Amp power inlet and single or 3 phase option
- Circuit breaker , surge protector or on-off switch availability.
- Design and production for all varieties of plug and socket types



German



French



UK



Universal

## 07 Modular Fire Suppression System

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### CAN-FSS with NOVEC 1230 or FM 200

- Plug & Play system with minimum installation time and expense
- FM200& Novec™ 1230 options are available
- Can suppress fire in a closed area up to max 200m<sup>3</sup>
- Optimal use of Data Center space through compact and space-saving design
- Limited disruption of operations during assembly
- Optimized damage prevention by sensitive detection, brief flooding time and rapid extinguishing effect
- Control panel on the front door and buzzer on the top
- High environmental compatibility of the extinguishing agent



## 08 Copper Face Plates

### Modular 45 x 45 Face Plate

- 45\*45MM Faceplate Adapter
- Material: ABS
- Color: Ivory or White
- Smooth Surface is uninterrupted by screw head
- Beautiful/Safe
- Screws:M-3.5mm

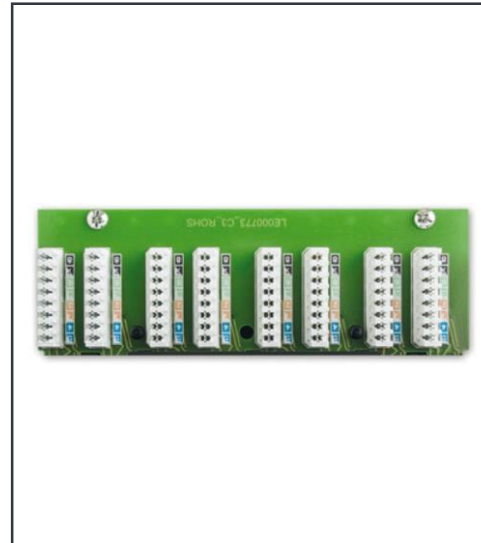




## 09 Copper Patch Panels

### 48 Port UTP Category 6A Patch Panel 1 U

- 48 port unshielded RJ45 jacks
- Contacts are phosphor bronze plated with 50 micro inches hard gold
- Class EA (500MHz) acc. to ISO/IEC 11801 and EN50173
- Printed with color code TIA 568A/B
- 8 pole LSA terminals
- 19" steel sheet housing

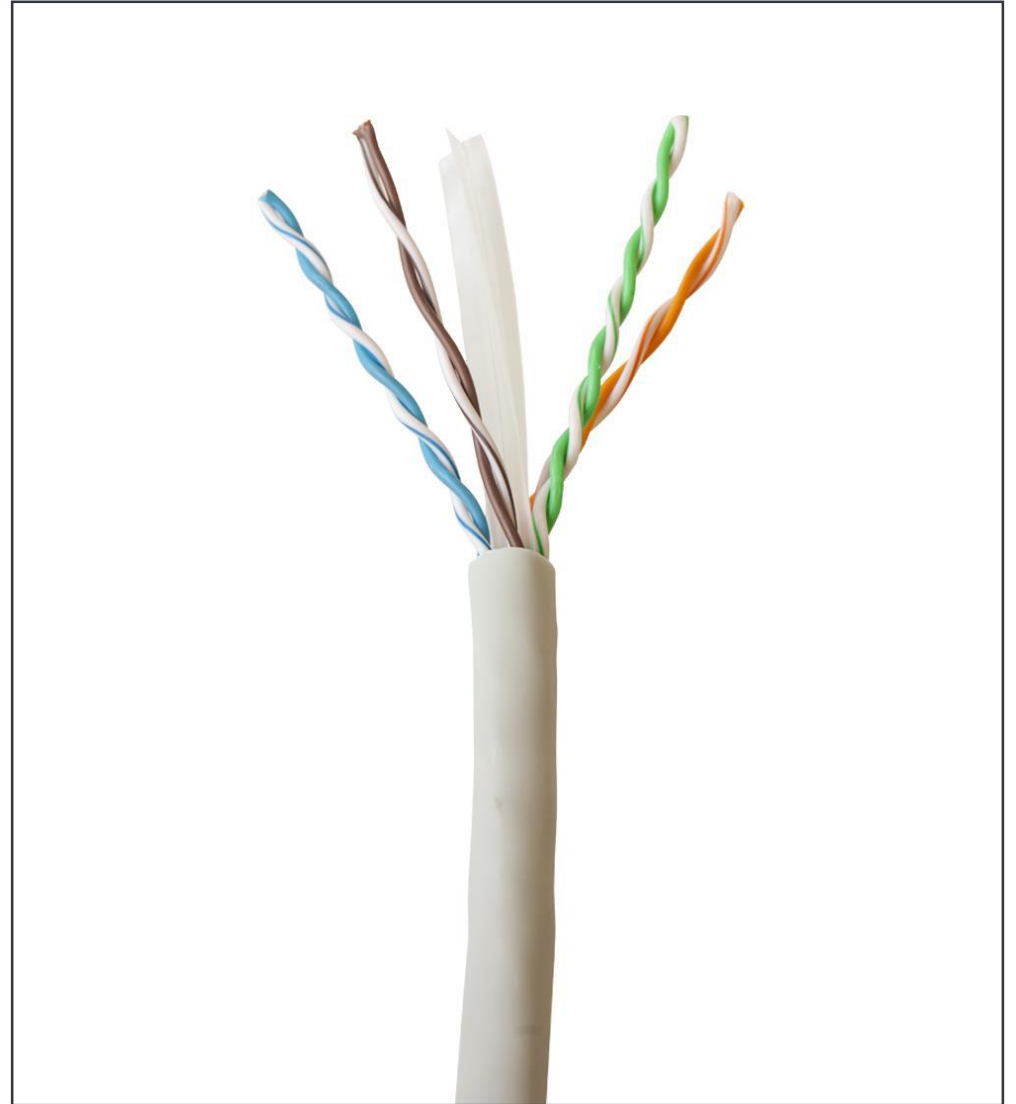


## 10 Copper Cables

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### CAT 6 U/UTP LAN Cables

- Supports Gigabit Ethernet (1000 baseT) standard
- Operational bandwidth up to 250 MHz
- Max Tensile Load of 14kg per simplex cable



## 11 Floor Standing Rack Cabinets

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### Inorax-AL 19" Network Rack

- Front door with safety glass
- Solid Side Panels with cylindrical locks and latches
- Solid Rear Panel with cylindrical locks
- Internal top sheet with 3 cable entries for cabinets with 800 mm width, 1 cable entry for cabinets with 600 mm width and fan cut-outs
- 2 Pairs of depth adjustable heavy duty 19" Mounting Rails
- 2 Pairs of Adjustable Feet
- Front Door with swing-handle single point lock
- Bottom sheet is not included



## 12 Outdoor Solutions

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### Inorax-09 Outdoor Cabinet

- Extruded Aluminum Frame; Double-layered aluminum/galvanized steel Doors and Panels
- IP55 Protection Level
- ET 300019 and IEC 68-2-57, EN 60529 and IEC5291, EN 60950 Tests
- Anti-graffiti and Sun-reflecting epoxy polyester outdoor paint, DIN 50939 chromatin
- 3 Sections: 19" System + MDF + Power, 3 doors Top Mounted Heat Exchanger





## 13 Single Wall mount Solutions

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### Cabinet with Openable Side Panels from Outside

- Steel frame
- Glass door with cylindrical lock
- Openable side panels from outside
- 1 pair of heavy duty 19" Mounting Rails
- RoHS compliant, UL Certificated
- Flatpack option available





[www.magnusqatar.com](http://www.magnusqatar.com)

2<sup>nd</sup> Floor, United Cars Almana Showroom, Old Airport Road, Doha