

# Prefabricated Modular Data Center

Eltek offer a range of 'IT-Ready' modular data centers. Everything is assembled off-site using best-in-class techniques and components then tested before rapid deployment to remote locations. Once on site we can help you install and re-test the facility so you can quickly start cabling and IT installation to be fully operational in a few weeks. Facilities are offered in ISO or extended Wide-ISO steel housings, clad enclosures or warehouse-style buildings.



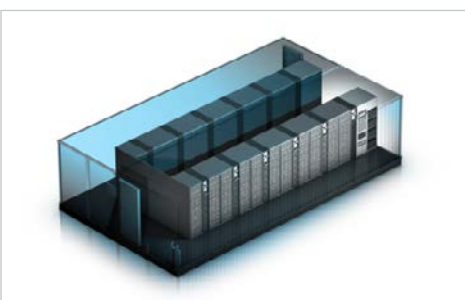
## Eltek Modular Data Center

INCORPORATING CONVERGED POWER SOLUTIONS, CPS

Doc 2226106.DS3 – rev1

### MODULAR DATA CENTER

Eltek has for 40 years developed close cooperation with its Service Provider customers. As new data and moving image services role out for Cloud and 4G mobile we are offering a range of complete data center facilities designed with these in mind. They can function as standalone data centers or provide the cache data processing and storage capacity required in access and distribution service layers. We offer them with Eltek's world leading Converged Power Solutions using optimal Micro-CPS configurations inside.



### CONVERGED POWER SOLUTIONS

- World's highest availability
- Future proof compact design
- Modular "hot plug-in" design
  - <2 minute MTTR
  - Scalability, build as you grow
  - Converging the best of  $V_{AC}$  and  $V_{DC}$  towards new global power standards
- Enabling Telecoms and IT to share facilities enabling new Media services.
- Seamless transfer from grid to generator
  - No switchgear or ATS required
  - No risk generator testing
  - Enabling concurrent maintenance
- A simpler, elegant approach that can scale from 2KW and up
- Micro-CPS configured for Prefabricated Modular Data Centers in 2, 4, 6, or 8 power cabinet solutions
- Flexes easily to Cloud and 4G demand

### KEY FEATURES

- RAPID DESIGN & DELIVERY
- CLEAN ASSEMBLY BY SPECIALIST
- TOTAL SOLUTION, 'IT-READY'
- HIGH SECURITY DOORS
- REINFORCED INSULATED WALLS
- COOLING TUNED TO SITE CLIMATE
- INCLUDES RACKS & CABLE TRAYS
- INCLUDES CONTROL SYSTEMS
- REMOTE MONITORING OPTIONS
- RE-SIZE TO BUSINESS DEMAND



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IT LOAD CAPACITY	46KW	94KW	142KW	190KW
KW for Plant load at N+1 resilience up to maximum:	15KW	30KW	45KW	60KW

## POWER DATA

Input voltage range	380-415V <sub>AC</sub> 3-phase +N (5 wire)			
Maximum input current (dual connection)	200 A	400 A	600 A	800 A
Lightning and surge protection	Type 1, 2 and 3 (IEC / EN 61643-11)			
Nominal voltages available to power loads	200-240 V <sub>AC</sub> single phase 48, 220, 380 V <sub>DC</sub>			

## COOLING DATA

DX Green-Refrigerant/ Free Cooling External Units	Default	On Request
In-Row Cooling with external water chillers	On Request	Default
Adiabatic Cooling	On Request	

## NOMINAL DIMENSIONS<sup>1)</sup>

Length	6 m or 12 m (20 or 40 foot)		12 m (40 foot)	
Width	2.44m (8'0")	4.88m (16'0")	2.44m (8'0")	4.88m (16'0")
	3.44m (11'3")	6.88m (22'7")	3.44m (11'3")	6.88m (22.7")
Height	2.9 m (9 foot, 6 inches)			

## OTHER SPECIFICATIONS

Supply Connection	Dual supply connection, eg. Grid + Grid; Grid + Diesel generator			
Inclusive Fire Alarm with Suppression Gas	Inergen; Novec; IG54; IG55; FM200			
Inclusive Early Detection System	VESDA			
Inclusive # of IT and Cable Management Racks	up to 8 (336U)	up to 16 (672U)	up to 24 (1008U)	up to 32 (1344U)
External environment	Rugged weather-proof external; Relative Humidity 10-95%; Temperature Range -10°C to +40°C Operating and Storage			
Internal environment	Provides a clean room environment for equipment			
Standard warranty	Building Warranty 15 Years, Systems 1 year			

1) Excludes external cooling connections, access frame trims, aerials or other penetrations and conforming ISO standards if applicable

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Specifications are subject to change without notice



Through partners Eltek is able to provide well proven high quality enclosures, adapted to different market requirements.

Close cooperation has resulted in optimal solutions and market leading prefabricated complete modular data centers.