

CONTAINER DATA CENTER SERIES



AGER Container Data Centers are designed to deliver a reliable IT infrastructure through their compact design, rapid deployment capability and portability advantages. Fully integrated and factory-tested, the system is delivered as a turnkey data center solution, ready for operation at the final installation site. By housing all critical IT infrastructure components within a single containment; high security, structural robustness and sustainability requirements combined with the benefits of easy transportation and flexible deployment.

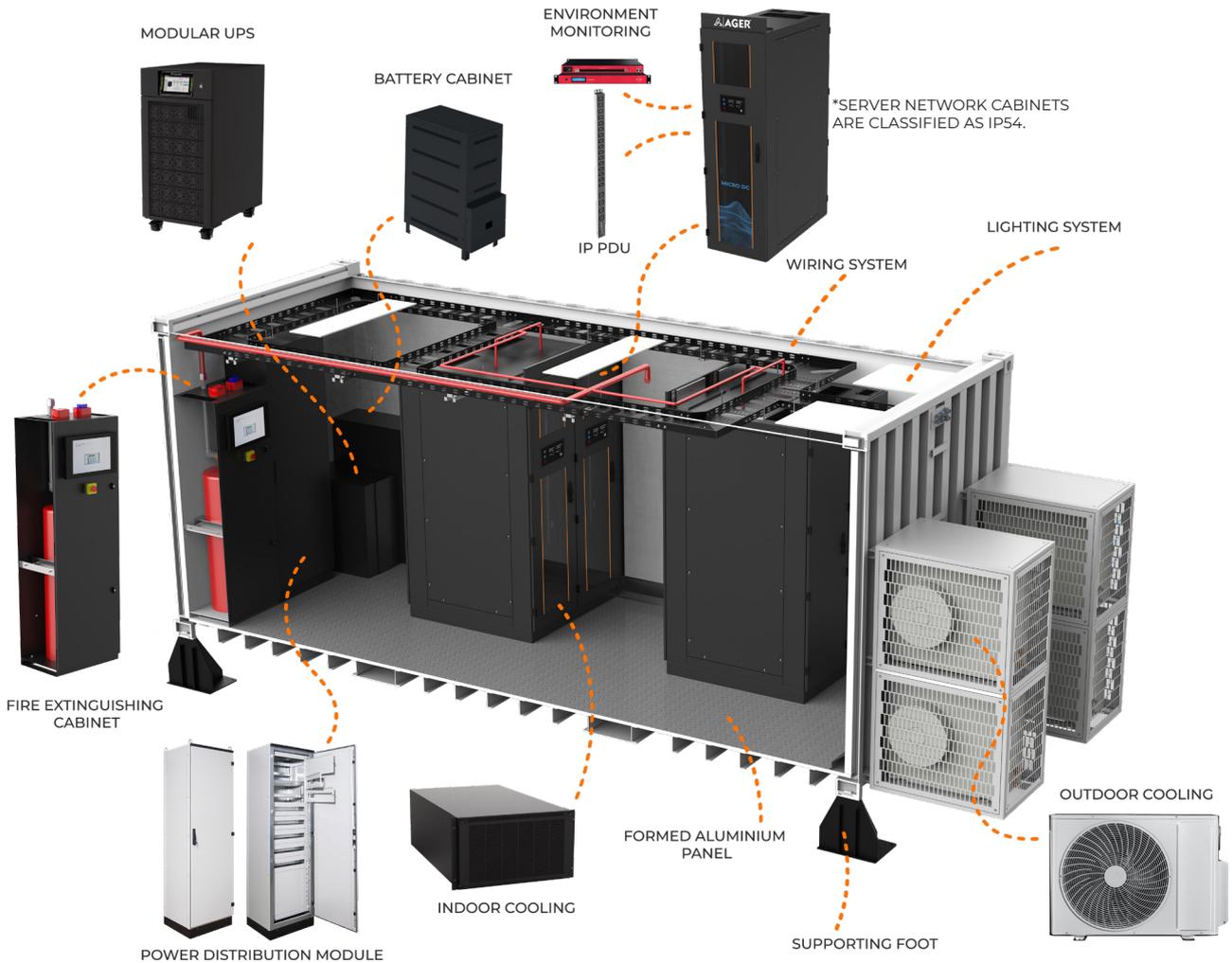
Available in 20 ft and 40 ft container configurations, the system integrates server and network racks, precision cooling units, redundant UPS systems, power distribution infrastructure, fire detection and suppression systems, as well as monitoring and CCTV solutions within a single secure structure.

Thanks to its modular and transportable architecture, the AGER Container Data Center can be easily scaled to meet growing IT capacity requirements while significantly reducing installation time and minimizing operational costs.

- **RAPID DEPLOYMENT**
- **FULLY INTERGRATED DESIGN**
- **MODULAR & SCALABLE ARCHITECTURE**
- **HIGH AVAILABILITY**
- **OUTDOOR-COMPATIBLE STRUCTURE**
- **OPTIMIZED TOTAL COST OF OWNERSHIP**

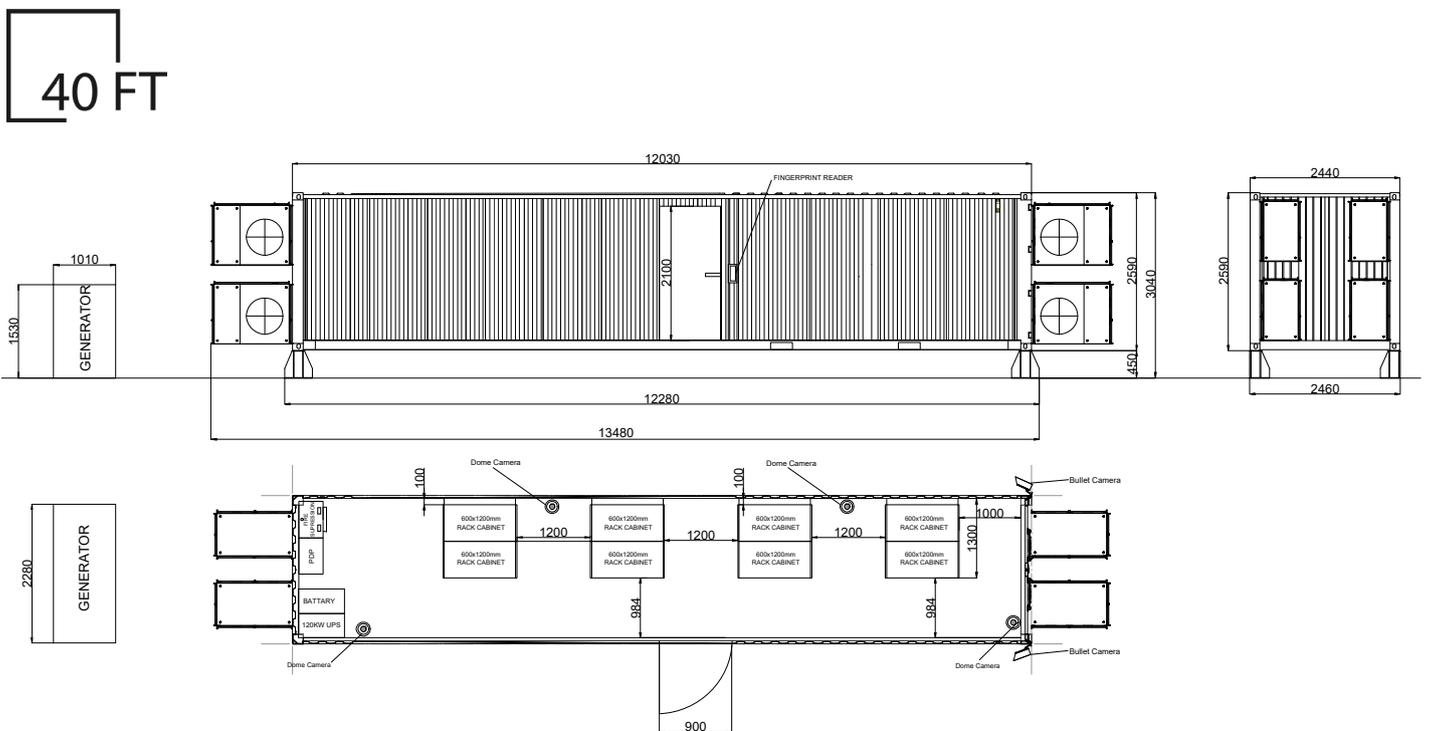
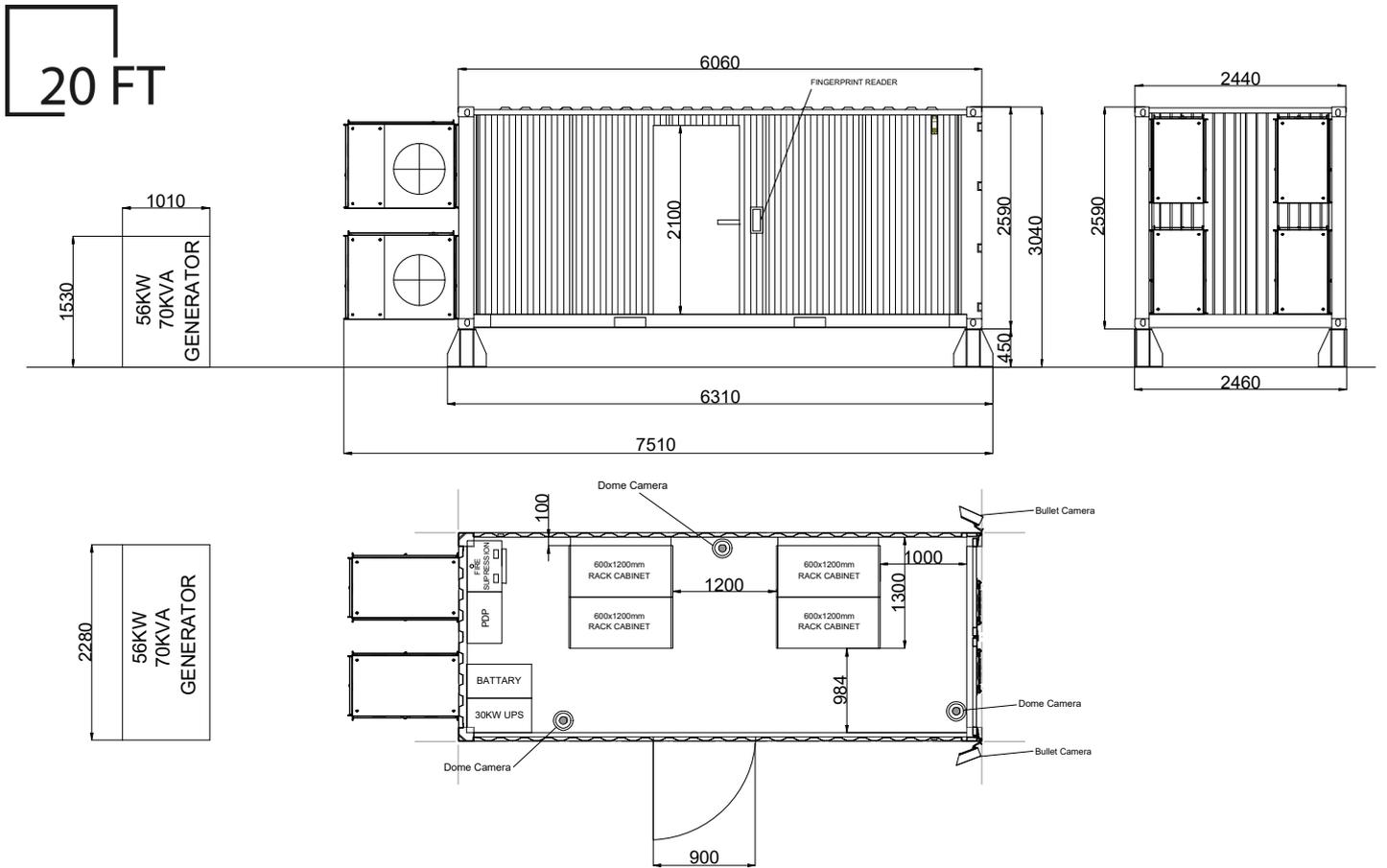


CONTAINER DATA CENTER GENERAL FEATURES



- 1. RAPID DEPLOYMENT**
 Container DC system eliminates the need for on-site construction processes, enabling significantly faster installation and commissioning compared to traditional data centers structures.
- 2. FULLY INTEGRATED DESIGN**
 Cooling, power distribution, UPS, fire protection, IT racks, and monitoring systems are delivered as a single, unified solution. All components are fully integrated and tested at the factory prior to shipment, ensuring a turnkey delivery ready for operation at the final installation site.
- 3. MODULAR & SCALABLE ARCHITECTURE**
 Available in 20 ft and 40 ft configurations. The system allows flexible capacity planning and easy expansion. The modular design enables seamless scalability by adding additional modules in line with growing IT requirements.
- 4. HIGH AVAILABILITY**
 The system supports redundant power and cooling infrastructures for critical applications, ensuring continuous, reliable, and sustainable operation of the IT environment.
- 5. OUTDOOR - COMPATIBLE DESIGN**
 Designed for harsh environmental and climatic conditions, the robust container structure provides reliable protection against external risks such as impact, dust, and unauthorized access.
- 6. OPTIMIZED TOTAL COST OF OWNERSHIP**
 Thanks to energy efficient subsystems and simplified maintenance architecture, the solution minimizes both initial investment and operational expenses, significantly reducing the total cost of ownership.

CONTAINER DATA CENTER LENGTH OPTIONS





	CONTAINER DC CODE	AG-KONTEYNERB85-20FT-DC-A	AG-KONTEYNERB85-40FT-DC-A
CONTAINER FEATURES	Container Size	20 ft	40 ft
	Sizes L x W x H (mm)	6060 x 2440 x 2590	12200 x 2440 x 2590
	Container weight - Loaded (Ton)	5	12
	Container Type	Standard ISO Container	
	Protection Level	IP55 - Water & Dust Proof	
	Material	Trapezoid steel sandwich Panel - 50mm Rockwool insulated (Class -A1)	
	Min/Max Operating Temperature (°C)	-20 °C / +50 °C (Min. -40°C optional)	
	Max. Altitude (m) *Above mean sea level	1000	
CABINET FEATURES	Cabinet Sizes H(U) - W x D x H (mm)	42U - 600 x 1200 x 1970	
	Cabinet Qty	4*	8*
	Total IT Power Load (kW)	30	90
COOLING SYSTEM FEATURES	Cooling Type	Direct Expansion Inrow Cooling Unit	
	Precision Inrow Cooling Capacity (kW / unit)	3.9 kW 5.9 kW - 8.6 kW - 12.8 kW	
	Inrow Cooling Unit Qty	4	8
	Redundancy Level	N+1	
	Operating Temperature (°C)	~-20 °C / +50 °C	
POWER MANAGEMENT SYSTEM	Modular UPS Frame (kVA)	30	120
	Autonomy Time (min)	Standard 10 mins (Optionally add-on possible)	
	Power Distribution Unit	Monitored / Managed IP-PDU (20 x C13 + 4 x C19)	
	Redundancy Level	N+N	
REMOTE ACCESS MANAGEMENT AND SURVEILLANCE SYSTEM	Sensors	Temperature - Humidity - Smoke - Water Level - Door Open - Vibration	
	Data Center Infrastructure Management (DCIM)	Advanced management software providing real-time monitoring of the container data center environment, including all electrical components within the datacenter infrastructure	
	Physical Access Control System	Biometric finger-print access control on Main Container Entrance Door and Sliding doors seperating cold & hot air zones...	
	Cameras	Bullet type / Dome type IP based Camera IP66 - POE & ONVIF Compatible	
	Video Recording	8-Channel NVR 6TB HDD	
FIRE DETECTION & EXTINGUISH SYSTEM	Detection & Extinguish	<ul style="list-style-type: none"> • Full-automated sensors. • Point-type fire suppression nozzles. • Visual and Audible alarm options. • Manual Release Function. • Emergency-stop Function. • User-friendly Control Panel. 	
	Gas Type	FM200 or NOVEC1230 (Optionally inert gas)	
	Fire Resistance	F60 Fire Resistance Rating	

(*Cabinet quantity in table , defined as standard product code layout.Cabinet layout and quantity may changed based on project based requirements.Please contact to Sales Representative.)