760250651 | CMC-85-36C

CMC-85, Equipment and Battery Cabinet VRLA, 3- String, 4 kW Air Conditioner, and 1 kW Battery Air Conditioner with 500 W Heater, DC

The cabinet is designed to combine wireless telecom power equipment and VRLA batteries into one cabinet. Equipment ranges from DC power system, Fiber slack tray, cell site router and other servers equipped by customer. This cabinet provide mechanical and environmental protection for the equipment inside. Cooling of active equipment is achieved by DC rated 4100W Air Conditioner. Provide the 1000W Air Conditioner cooling solution for VRLA battery compartment.

- Excellent Thermal Performance to be compatible with both Heat Exchanger and Air Conditioner.
- Provide enough space for the Power system and other network servers.
- Provide option for security/access control via Puck Lock system.
- Provide the flexible access for the cable entrance.
- Provide the flexible heater Solution for the cold ambient application.
- Provide the flexible configurations to give best in class maximum equipment rack mounting space (Up to 35 total RU)
- Platform products to share many parts including plinth, solar shield, and hybrid cable storage units.
- Excellent cable management system.

Product Classification

Regional Availability	Latin America	North America
Portfolio	CommScope®
Product Type	Macro cell site enclosure
Product Series	CMC

General Specifications

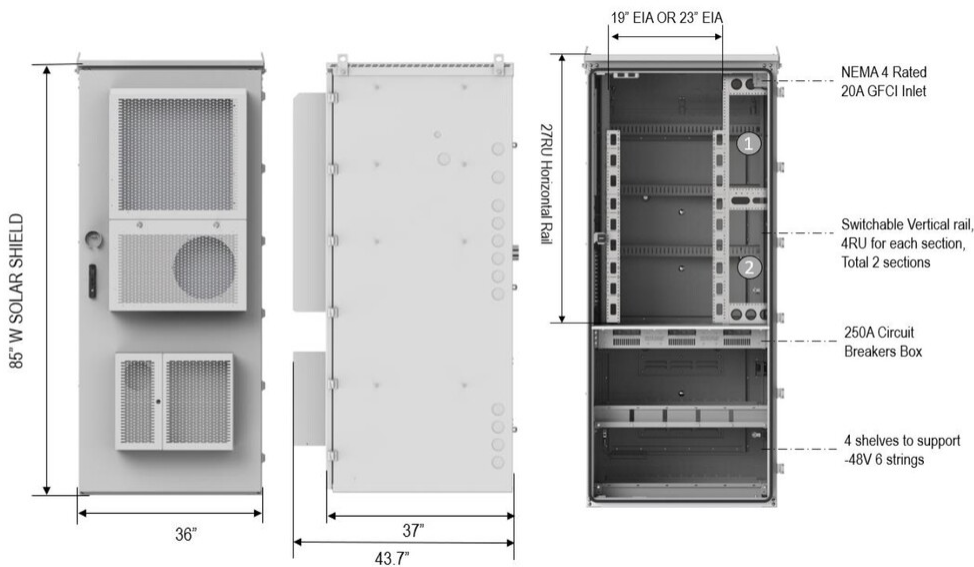|	
Access	Bottom: Power compartment	Rear Wall: Hybrid Cables	Side Wall: Power or other cables compartment
Alarm Type	Door open (both front and side doors)	HVAC alarms (including high temperature, failure)	Overheat	S2 module, 20P or standard and user defined alarms	Thermal probe
Batteries Supported	3 strings of VRLA batteries from Multiple OEM
Battery Storage	2 battery shelves for holding up to 3 -48V battery strings
Cabinet Type	Baseband cabinet	Battery back-up cabinet	Transmission cabinet
Capacity	500W Heater built in Air Conditioner

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Color	Light Gray (RAL 7035)	Others available at additional cost
Cooling	DC Rated 1000W Air Conditioner for Battery Compartment	DC Rated 4100W Air Conditioner Or 420W /k Thermosiphon unit for equipment compartment
Door Security	Quarter turn lock, puck lock system for rear door	Swing handle, puck lock system for front door
Mounting	Mounts directly to steel dunnage with supplied ½" hardware	Mounts to concrete pad with customer supplied anchors	Optional 6" plinth
Noise Emission, maximum	60 dBA
Rack Capacity, total	35RU (Horizontal 27RU +Vertical 8RU)
Rack Type	EIA 19 in	EIA 23 in

Dimensions

Height	2,159 mm	85 in
Width	914.4 mm	36 in
Depth	939.8 mm	37 in

Dimension Drawing

Electrical Specifications

Input Power Supply	125Volt Receptable/Outlet	20AMP GFCI Outlet	Compliant with UL943 Self-Test Requirement
Alarm Output	Dry contacts
Cooling Capacity	4100 W
dc Distribution Type	Universally supports multiple -48VDC OEM Power Plants and Distribution

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Voltage   -48 Vdc

Cabinet Mounting

4100W Air Conditioner Or
420W/K Heater Exchanger

Puck lock

Swing Handle

1000W DC Air Conditioner

Removable Knockout Panel
Removable Big Ring Panel

Quarter turn
latches

Puck lock

Lift-Off hinged rear door

Ventilation for
the Hydrogen

2x GND, 2AWG

Material Specifications

Finish   Powder coated | UV resistant

Material Type   Aluminum

Environmental Specifications

Operating Temperature -40 °C to +46 °C (-40 °F to +115 °F)

Storage Temperature   -40 °C to +70 °C (-40 °F to +158 °F)

Qualification Standards ANSI/UL 62638-1 | ETL 4007237 | GR-487 | IEC 60529, IP55 | Seismic rating, zone 4 | UL 1801

Packaging and Weights

Weight, net   336.112 kg | 741 lb

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