



Outdoor One-stop CO

FusionModule1000A Prefabricated All-in-one CO Solution

Introduction

Huawei FusionModule1000A is an outdoor one-stop CO facility solution to house, power and manage CT equipment with reliable and efficient power & environment system. The prefabricated all-in-one solution functions as a foundation for network facility, it meets the requirements of environmental protection, fast deployment and saving energy for small outdoor CT room of telecom operator.

Application Scenarios

- BBU-hotel/C-RAN access site
- Fixed network access & convergence site and fixed network modernization
- National broadband network
- Telecom network by grid company
- Cable landing station

Features & Value

Simple

- Prefabricated and one-stop end-to-end solution. Easy on-site installation in one day.
- Quick deployment of multi sites by modular design and rolling stock
- High environment adaptability and easy site acquisition

Reliable

- High delivery quality with productized solution
- Endurable enclosure of 25-year service life. Standard IP55 protection and anti-seismic of Mercalli intensity 9
- EN 1627 ~ EN 1630 Class 3 anti-theft(optional)

Efficient

- Centralized and remote management of multiple sites with NetEco platform
- Efficient and visualized management of subsystem with unified platform
- O&M anywhere and anytime with mobile APP

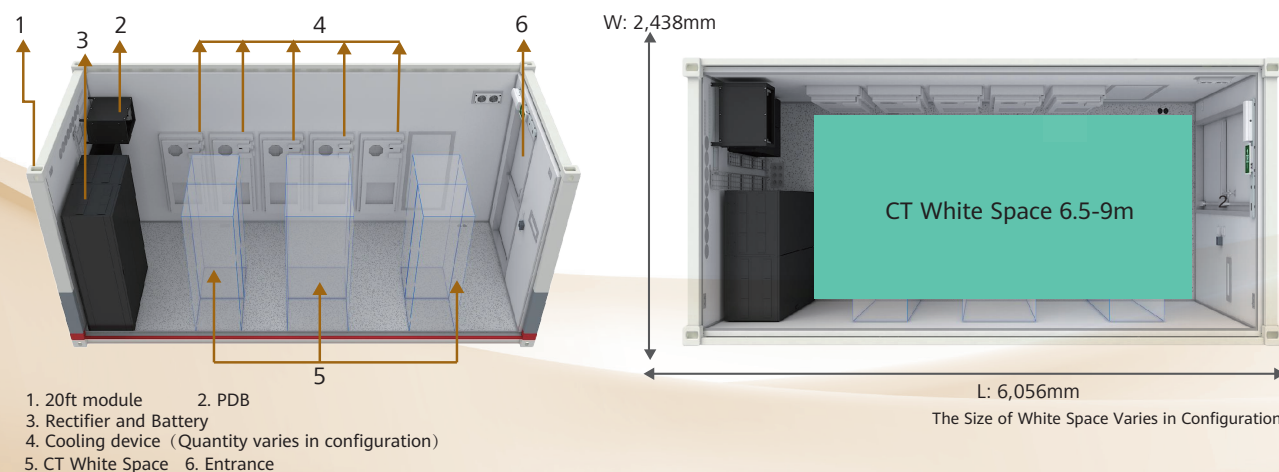


Site overview



FusionModule1000A 20ft

Layout



Overview

White Space

Specifications

Sub-system	Feature	20ft-AIO-CT-2N-380V-8kW	20ft-AIO-CT-N+X-380V-8kW	20ft-AIO-CT-2N-380V-16kW	20ft-AIO-CT-N+X-380V-16kW	20ft-AIO-CT-N+X-208V-16kW
Enclosure	Dimension (HxWxD)	2,896mm*2,438mm*6,058mm				
	White Space	8m ²	9m ²	6.5m ²	8m ²	8m ²
	Weight	Prefabricated facilities ≤7.5T , Fully loaded≤10T				
	Maintenance Aisle	≥600mm				
Cabinet	Configuration of Cabinet	N63: 12 N66: 6 N68: 4	N63: 13 N66: 6 N68: 4	N63: 8 N66: 4 N68: 2	N63: 12 N66: 6 N68: 4	N63: 12 N66: 6 N68: 4
	Dimension (WxDxH)	N63 cabinet: 600mm*300mm*2200mm N66 cabinet: 600mm*600mm*2200mm N68 cabinet: 600mm*800mm*2200mm				
	CT Load/Cabinet	≤8kW	≤8kW	≤16kW	≤16kW	≤16kW
	Power Input	380/400/415V 50/60Hz, 3Ph+N+PE				
Power	Maximum Power Capacity	24kW	24kW	36kW	36kW	36kW
	Battery Backup Time(Intial)	6hours	2hours	3hours	1hour	1hour
	Number of Input	2	1	2	1	2
	Input Current	160A	160A	160A	160A	160A
	D/C Output	BLVD branch: 63A×4, 16A×2, 10A×2 LLVD branch: 100A×2, 63A×2, 32A×4, 16A×2		BLVD branch: 63A×2, 32A×2, 10A×2 LLVD branch: 63A×2, 32A×6, 10A×2 LLVD fuse: 160A×4		
	Input Surge Protection	8/20us, In=20kA, Imax=40kA				
	Battery Configuration	150AH*8 groups	150AH*4 groups	190AH*8 groups	190AH*4 groups	190AH*4 groups
	iBattery	Customized				
Cooling	Technology	Integrated cooling device with freecooling function				
	Capacity (KW)	9kW (2+1 redundancy)		19kW (4+1 redundancy)		
	A/C Dimension (HxWxD)	1300mm×500mm×250mm		1300mm×500mm×350mm		
	Heat Pipe	Support				
	Compressor	Fixed Frequency				
	Coolant	R134a				
	Fan	EC Fan				
	Teamwork	Not support				
Fire Extinguishing	Fire System	Manual Fire Extinguishing System(Local purchase) CE Automatic Fire Extinguishing System(Optional and Customized)				
	VESDA	Only for Automatic Fire Control System(Optional)				
	Gas	HFC-227ea (Standard for Automatic Fire Extinguishing System)				
Monitoring	Access Control	IC Card(Standard),Multi-functional Access Control(Optional)				
	Video Monitoring	High Definition IP Camera				
	Video Storage	SD Card (local purchase)				
	Local Display	PAD(Optional)				
	Remote Maintenance	Customized Mobile Maintenance by Mobile Phone and PAD(Optional)				
Enclosure Durability	Dust and Water Proof	Standard IP55, Optional IP65				
	Earthquake Proof	GR-63-CORE Zone3 (Equivalent to Mercalli intensity-9)				
	Anti-theft	EN 1627~ EN 1630 Class 3 (Optional)				
	Corrosion Proof	Pass UL1440 Hour Salt Spray Test				
	Thermal Insulation	Heat Transfer Coefficient≤0.59 W/(m ² *K)				
Environment	Application Environment	A/B type environment, at least 3700m away from the coast and the corrosion source (C type environment customized)				
	Altitude	≤ 3000m (Performance derate when the altitude is over 1000m)				
	Humidity Range	5% ~ 95%				
	Temperature Range	-20℃ ~ +55℃				