



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.



Site overview

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)

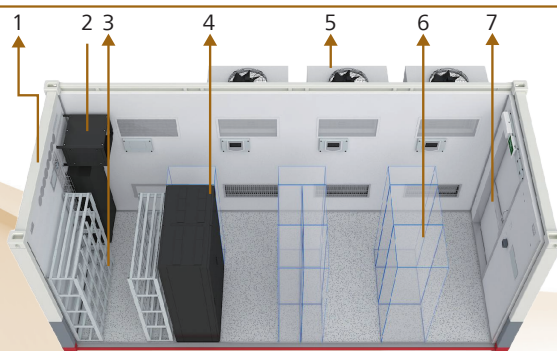
Efficient

- 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



FusionModule1000A 20ft

Layout



1. 20ft Module
2. PDB
3. Battery Rack
4. Rectifier
5. Cooling device
6. CT White Space
7. Entrance

Overview



L: 6,056mm
White Space

CT White Space 7.2m²

Specifications

Sub-system		20ft-AIO-CT-2N-380V-24kW	20ft-AIO-CT-N+X-208V-24kW
Module	Dimension (H × W × D)	2896mm × 2438mm × 6058mm	
	White Space	7.2m ²	
	Weight	Prefabricated facilities ≤7.5T , Fully loaded≤10T	
	Maintenance Aisle	≥600mm	
Cabinet	Configuration of Cabinet	N63: 11 N66: 4 N68: 4	N63: 11 N66: 4 N68: 4
	Dimension (W × D × H)	N63: 600mm*300mm*2200mm N66: 600mm*600mm*2200mm N68: 600mm*800mm*2200mm	
	CT Load	≤24kW	
Power	Power Input	380/400/415V 50/60Hz, 3Ph+N+PE	208V 60Hz , 3Ph+N+PE
	Maximum Power Capacity	72kW	72kW
	Battery Backup Time(Intial)	3 hours	3 hours
	Number of Input	2	2
	Input Current	160A	160A
	D/C Output	Load : 4 × 500A (NT3), 2 × 400A (NT2), 6 × 160A (NT00), 6 × 100A (NT00)	
	Input Surge Protection	8/20us, In=20kA, I _{max} =40kA	
	Battery Configuration	1000AH*2 groups	1000AH*2 groups
	iBattery	Customized	
Cooling	Technology	Integrated Cooling Device with Free Cooling Function	
	Capacity (KW)	27kW (2+1 redundancy)	
	Device FireDimension (H × W × D)	2148mmx1160mmx700mm	
	Compressor	Variable Frequency	
	Coolant	R410a	
	Fan	EC Fan	
	Free cooling	Support	
	Teamwork	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 Exintingishing System)	
Monitoring	Access Control	IC Card(Standard),Multi-functional Access Control(Optional)	
	Video Monitoring	High Definition IP Camera	
	Video Storage	SD Card(Local purchase)	
	Display in the Enclosure	PAD(Optional)	
	Remote Maintenance	Customized Mobile Maintenance by Mobile Phone and PAD(Optional)	
Enclosure	Dust and Water Proof	Standard IP55, Optional IP65	
	Earthquake Proof	GR-63-CORE Zone3 (Equivelant 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 envrionment customized)	
	Altitude	≤3000m (Performance derate when the altitude is over 1000m)	
	Humidity Range	5% ~ 95%	
	Temperature Range	-20℃ ~ +55℃	