



# F01C100B Cabinet



## >> Installation Scenarios

Wall-mounted or pole-mounted (indoor corridor)

## >> Highlights

### Flexible site selection

Compact design with a depth of 235 mm for corridor installation.

### Easy installation

Light-weighted and one-door design with handles on both left and right sides for easy lifting and installation.

### Eco-friendly and energy-saving

Natural heat dissipation without fans, featuring zero power consumption, low noise, and no maintenance.

### Comprehensive monitoring

Real-time monitoring on door status, surge protection module, and operating temperature on the air intake vent, and remote alarming, facilitating maintenance.

## >> Product Parameters

Dimensions (without the battery compartment)	725 mm x 630 mm x 235 mm (H x W x D)
Dimensions (with the battery compartment)	925 mm x 630 mm x 235 mm (H x W x D)
Storage battery capacity	One set of 12 Ah batteries
Maximum weight (without/with storage batteries)	31.5 kg/54.5 kg
Operating Environment	-25 °C to +45°C
Noise standard	ETS 300753 Class 4.1E rural area level
Heat dissipation mode	Direct ventilation

imum heat dissipation capability

310 W

## >> Service Configuration

Configuration	2 AC MA5623A	1 AC MA5616	2 AC MA5620
User quantity	96 (VDSL2+Vectoring)	256 POTS 128 VDSL2/ADSL2+ 128 (POTS + ADSL2+) 128 (VDSL2 + Vectoring) 96 (POTS + VDSL2+Vectoring)	16 (FE + POTS) 32 (FE + POTS) 48 (FE + POTS)
Configuration	1 AC MA5610	2 AC MA5626	2 AC MA5821
User quantity	256 POTS 48 FE + 64 POTS	16 FE/32 FE/48 FE 8 GE + 8 FE	48 FE



# F01S50 Cabinet



## >> Installation Scenarios

Wall or poles

## >> Highlights

### Ultra mute design

Produces noise lower than 45 dBA in the daytime, and noise lower than 35 dBA at night.

### Enclosure design

Uses IP55 enclosed-type design to effectively isolate external harmful dust or gases that may cause corrosion, so that the service life of the equipment is at least 24 months longer.

### Maintenance-free

Has no any air filter. The maintenance manpower is saved by at least 80% because the equipment does not require frequent maintenance.

### Green & energy saving

Uses passive natural heat dissipation. The heat dissipation components require zero power consumption.

### Easy installation

Features a small volume and light weight to facilitate installation.

## >> Product Parameters

Dimensions (without the battery compartment)	650 mm x 560 mm x 200 mm (H x W x D)
Dimensions (with the battery compartment)	850 mm x 560 mm x 200 mm (H x W x D)
Storage battery capacity	12 Ah (one set of four batteries in series connection)
Maximum weight (without/with storage batteries)	38 kg/66 kg
Operating environment	-33℃ to +45℃ (solar radiation 1120 W/m <sup>2</sup> )
Noise standard	ETS300753 Class 4.1E conservation district level
Heat dissipation mode	Enclosed self-cooling
Maximum heat dissipation capability	120 W

## >> Service Configuration

Configuration	1 AC MA5622A	1 AC MA5623	1 AC MA5623A
Users	24 (VDSL2 + POTS)	24 VDSL2	48 VDSL2
Configuration	1 AC MA5612		
Users	2 GE + 22 FE + 16 POTS 2 GE + 6 FE + 48 POTS		



# F01S100 Cabinet



## >> Installation Scenarios

Wall, poles, or concrete foundation

## >> Highlights

### Ultra mute design

Produces noise lower than 45 dBA in the daytime, and noise lower than 35 dBA at night.

### Enclosure design

Uses IP55 enclosed-type design to effectively isolate external harmful dust or gases that may cause corrosion, so that the service life of the equipment is at least 24 months longer.

### Maintenance-free

Has no any air filter. The maintenance manpower is saved by at least 80% because the equipment does not require frequent maintenance.

### Green & energy saving

Uses passive natural heat dissipation. The heat dissipation components require zero power consumption.

### Easy to install

Features a small volume and high density to facilitate installation.

## >> Product Parameters

Dimensions (without the battery compartment)	830 mm x 670 mm x 250 mm (H x W x D)
Dimensions (with the battery compartment)	1030 mm x 670 mm x 250 mm (H x W x D)
Dimensions with forced-cooling module	910 mm x 670 mm x 250 mm (H x W x D)
Dimensions with the battery compartment and forced-cooling module	1110 mm x 670 mm x 250 mm (H x W x D)
Dimensions with the RPS compartment and forced-cooling module	1260 mm x 670 mm x 250 mm (H x W x D)
Storage battery capacity	12 Ah (one set of four batteries in series connection)
Maximum weight (without/with storage batteries)	62 kg/78.5 kg
Operating environment	-33℃ to +45℃ (solar radiation 1120 W/m <sup>2</sup> )
Noise standard	ETS300753 Class 4.1E conservation district level
Heat dissipation mode	Enclosed self-cooling
Maximum heat dissipation capability	Self-cooling: 50℃/200 W Forced cooling: 50℃/ 300 W or 55℃/200 W

## >> Service Configuration

Configuration	2 AC MA5620	2 AC MA5626
Users	48POTS + 48 FE	48 FE
Configuration	1DC/AC MA5616	1 AC MA5608T
Users	256 POTS 192 VDSL2/ADSL2+ 144 VDSL2 (Supports Vectoring)	128 POTS/VDSL2/ADSL2+ 96 (POTS+VDSL2/ADSL2+)

# F01S200 Cabinet



## >> Installation Scenarios



Wall, poles, concrete foundation, or elevated platform

## >> Highlights



### Ultra mute design

Produces noise lower than 45 dBA in the daytime, and noise lower than 35 dBA at night.

### Enclosure design

Uses IP55 enclosed-type design to effectively isolate external harmful dust or gases that may cause corrosion, so that the service life of the equipment is at least 24 months longer.

### Maintenance-free

Has no any air filter. The maintenance manpower is saved by at least 80% because the equipment does not require frequent maintenance.

### Support for future evolution

Supports the MA5608T OLT optical configuration for future evolution.

### Flexible deployment

Features a small volume and high density to facilitate installation.

## >> Product Parameters



Dimensions (without the battery compartment)	850 mm x 750 mm x 350 mm (H x W x D)
Dimensions (with the battery compartment)	1120 mm x 750 mm x 350 mm (H x W x D)
Dimensions with the battery compartment and forced-cooling module	1200 mm x 750 mm x 350 mm (H x W x D)
Storage battery capacity	One set of 26Ah or 40Ah storage batteries
Maximum weight (without battery compartment)	72 kg (without forced-cooling module)
Maximum weight (with battery compartment)	147 kg (with forced-cooling module)
Operating environment	Self-cooling: -33°C to +40°C (solar radiation) Forced cooling: -33°C to +50°C (solar radiation)
Noise standard	ETS300753 Class 4.1E conservation district level
Heat dissipation mode	Enclosed self-cooling
Maximum heat dissipation capability	Self-cooling: 45°C/350 W or 50°C/265 W Forced cooling: 50°C/ 580 W or 55°C/400 W

## >> Service Configuration



Configuration	Users
1 DC MA5616	256: POTS/ADSL2+/VDSL2 (Supports Vectoring) 192: VDSL2 (Supports SuperVector) 128: (POTS + ADSL2+) 192: (POTS + VDSL2)
1 DC MA5608T	32 EPON 32 GPON





# F01S300 Cabinet



## >> Installation Scenarios

Concrete foundation or elevated platform

## >> Highlights

### Enclosure design

Uses IP55 enclosed-type design to effectively isolate external harmful dust or gases that may cause corrosion, so that the service life of the equipment is at least 24 months longer.

### Ultra long service life

Uses 1.5 mm aluminum sheets with 20-year anti-corrosion performance and a particular battery compartment for heat dissipation, so that the service life of the storage batteries is at least 50% longer.

### High availability

Provides up to 60 kA protection capability, built-in hinges, built-in mounting holes, high burglar-proof performance, independent MDF/ODF compartments, and permission-based maintenance.

### Ultra mute design

Intelligently adjusts the speed of fans, so that the produced noise reaches the conservation district level.

### Humanized design

Provides a lighting lamp, a diesel generator interface, and others.

### Support for future evolution

Supports the 5683T OLT optical configuration for future evolution.

## >> Product Parameters

<b>Dimensions</b>	1350 mm x 850 mm x 450 mm (H x W x D)
<b>Storage battery capacity</b>	One set of 50 Ah or 100 Ah storage batteries
<b>Maximum weight (without/with storage batteries)</b>	140 kg/280 kg
<b>Operating environment</b>	-33°C to +45°C (solar radiation 1120 W/m <sup>2</sup> )
<b>Noise standard</b>	ETS300753 Class 4.1E conservation district level
<b>Heat dissipation mode</b>	Heat exchanger
<b>Maximum heat dissipation capability</b>	1000W/50°C

## >> Service Configuration

Configuration	Users
<b>1 DC MA5603T (OLT)</b>	96 PON
<b>1 DC MA5603T (MSAN)</b>	32 SHDSL + 32 E1 + 256 POTS/VDSL2/ADSL2+ 32 SHDSL + 32 E1 + 192 (POTS + ADSL2+) 384 POTS/VDSL2/ADSL2+/(POTS + VDSL2) 288 (POTS + VDSL2/ADSL2+) 32 GPON + 256 POTS/VDSL2/ADSL2+ 32 GPON + 192 (POTS + ADSL2+)
<b>3 DC MA5616</b>	768: POTS 384: VDSL2/ADSL2+ 384: POTS+VDSL2/ADSL2+ 192: VDSL2 (Supports SuperVector) 512: VDSL2 (Supports Vectoring)



# F01T500 Cabinet



## >> Installation Scenarios

Concrete foundation

## >> Highlights

### Space expansibility

This cabinet features modular design and structure, which facilitates side-by-side cabinets for cabinet space expansion. For example, the battery cabinet is connected to the left side of the cabinet and the topbox is placed on the top of the cabinet so that the site penetration rate is improved, including service expansion and prolonged battery backup time.

### Heat dissipation upgrade

Replacement of the heat exchanger allows for an enhanced heat exchanger on the cabinet door to improve the heat dissipation capability. This enables the cabinet to support service devices with higher density and service speed.

### Service evolution

Flexible cabinet structure supports both 21-inch and 19-inch devices. The cable distribution compartment supports the MDF for copper line access, ODF for optical fiber access, and MDF+ODF for copper-fiber hybrid access, meeting demands on network evolution.

### Intelligent management

The EMU and U2000 are used for visualized monitoring for cabinets and their inside components. Supports remote management for the electronic door lock of the cabinet, improving site security and minimizing site pilfer risks. Supports remote intelligent battery health check and automatically alerts maintenance engineers to battery replacement when the battery reaches the end of its life cycle, minimizing site maintenance costs.

### Flexible power feeding

Supports remote power supply and AC power supply in addition to the reserved diesel generator interface, facilitating flexible power feeding.

### Flexible site selection

Supports the front door design. Compared with the traditional front door+side door, and front door+back door designs, the front door design requires a smaller installation area. Also, this cabinet supports reshell mode of the FDT, which allows for flexible site selection.

### High reliability

IP55 enclosed-type design effectively isolates external harmful dust or gases that may cause corrosion. Provides up to 60 kA surge protection capability for more secure outdoor use and less device damage and O&M costs.

## >> Product Parameters

Dimensions	1600 mm x 1350 mm x 480 mm (H x W x D)
Storage battery capacity	2 sets of 100 Ah batteries (can be expanded to 400 Ah using side-by-side cabinets)
Maximum weight (without storage batteries)	280 kg
Maximum weight (with storage batteries)	518 kg
Operating environment	-45°C to +45°C (solar radiation 1120 W/m <sup>2</sup> )
Noise standard	ETS 300753 Class 4.1E city-level
Heat dissipation mode	Heat exchanger
Maximum heat dissipation capability	2000 W

## >> Service Configuration

Configuration	1 DC MA5600T	1 DC MA5603T
Users	<b>Optical fiber access</b> 16 x 16 PON	<b>Optical fiber access</b> 6 x 16 PON
	<b>Copper line access</b> 16 x 64 POTS/VDLS2/ADSL2+ 16 x 48 (POTS + ADSL2+) 16 x 64 (POTS + VDSL2)	<b>Copper line access</b> 6 x 64 POTS/VDLS2/ADSL2+ 6 x 48 (POTS + ADSL2+) 6 x 64 (POTS + VDSL2)
	<b>Copper-fiber hybrid access</b> at any combined configurations	<b>Copper-fiber hybrid access</b> at any combined configurations
Configuration	1 DC MA5800-X17	1 DC MA5800-X7
Users	17 x 16 PON	7 x 16 PON