



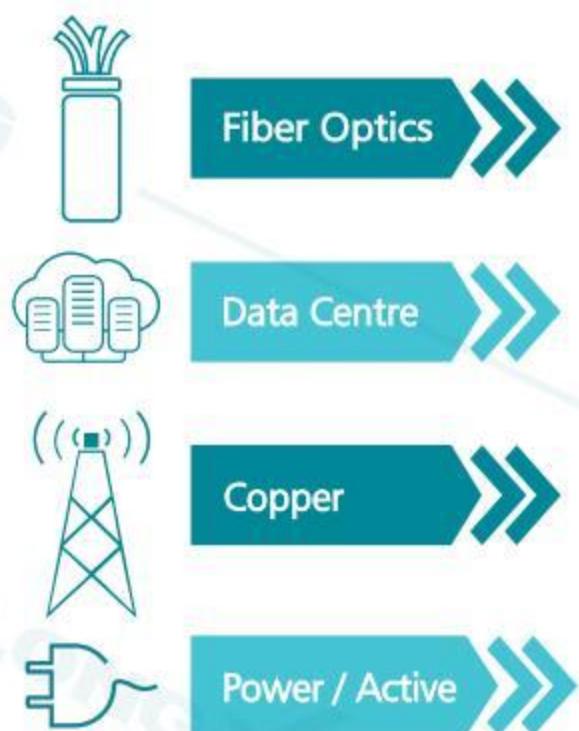
- Network Cabinets
- Power Management
- Data Centre



Scan for more details



## Products & Services

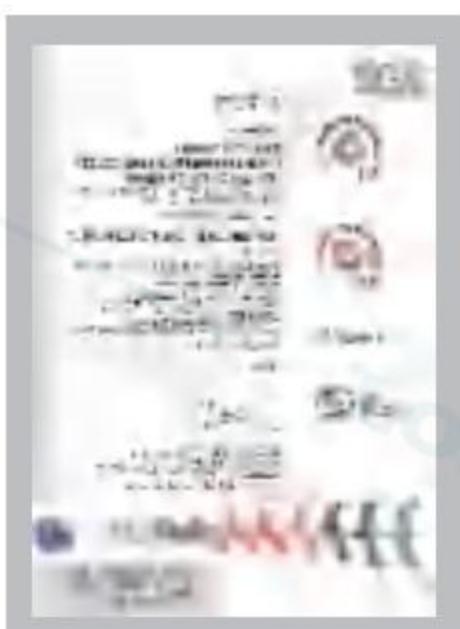


Staff: 800+



■ Production  
■ Sales Supports  
■ Technical Engineers  
■ QA  
■ Others

## Qualification



TL 9000



ISO 14001

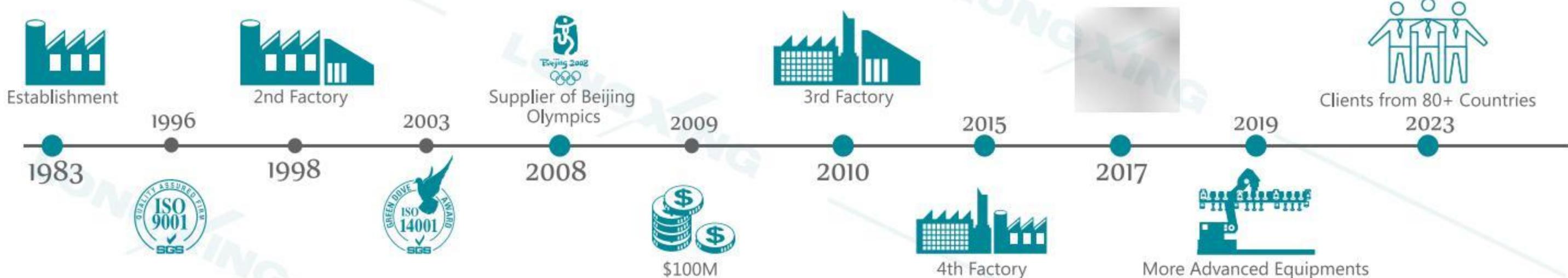


ISO 9001



Quality Guarantee

## History of LONGXING



# LONGXING

## ► About us

LongXing has been applying its incomparable know-how in fiber optics and copper to actively develop products that enhance telecommunications for over 40 years.

Our products and solutions extend from the data centre to central offices, curbs and straight to your home. We produce passive and active products, as well as indoor and outdoor products (ex: ODF, network cabinets, distribution boxes, cable tray, systems splice closures, outdoor cabinets, PDUs, micro data centre and optical accessories).

LongXing is an environmental friendly company and we are minimizing the printed documents including marketing brochures. Therefore this brochure does not cover all the products and solutions we provide, for further information please visit us at [www.lxtelecom.com](http://www.lxtelecom.com), or contact us at [info@lxtelecom.com](mailto:info@lxtelecom.com).



Current Market Coverage

1 ODFs



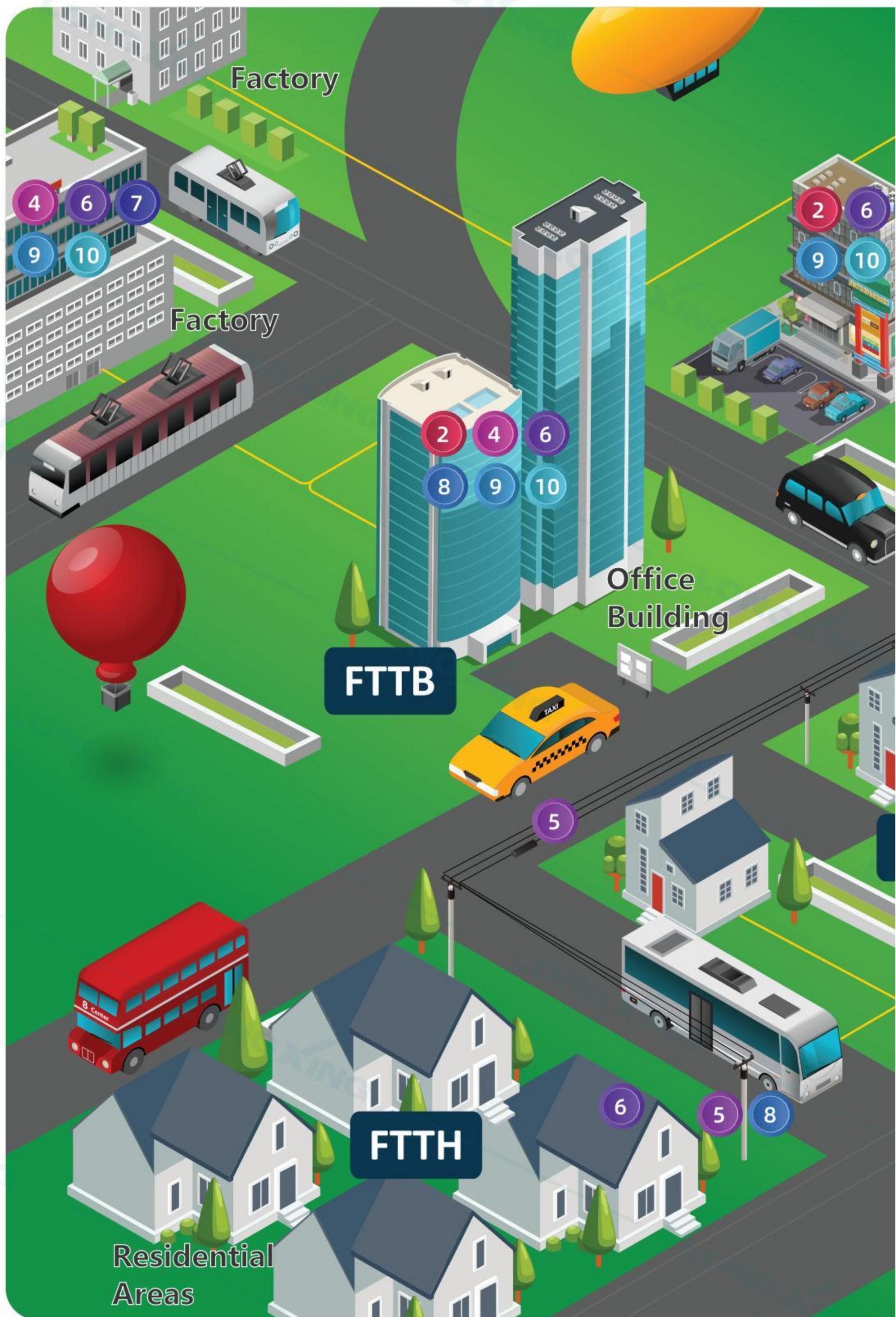
2 Patch Panels



3 Outdoor Cabinets



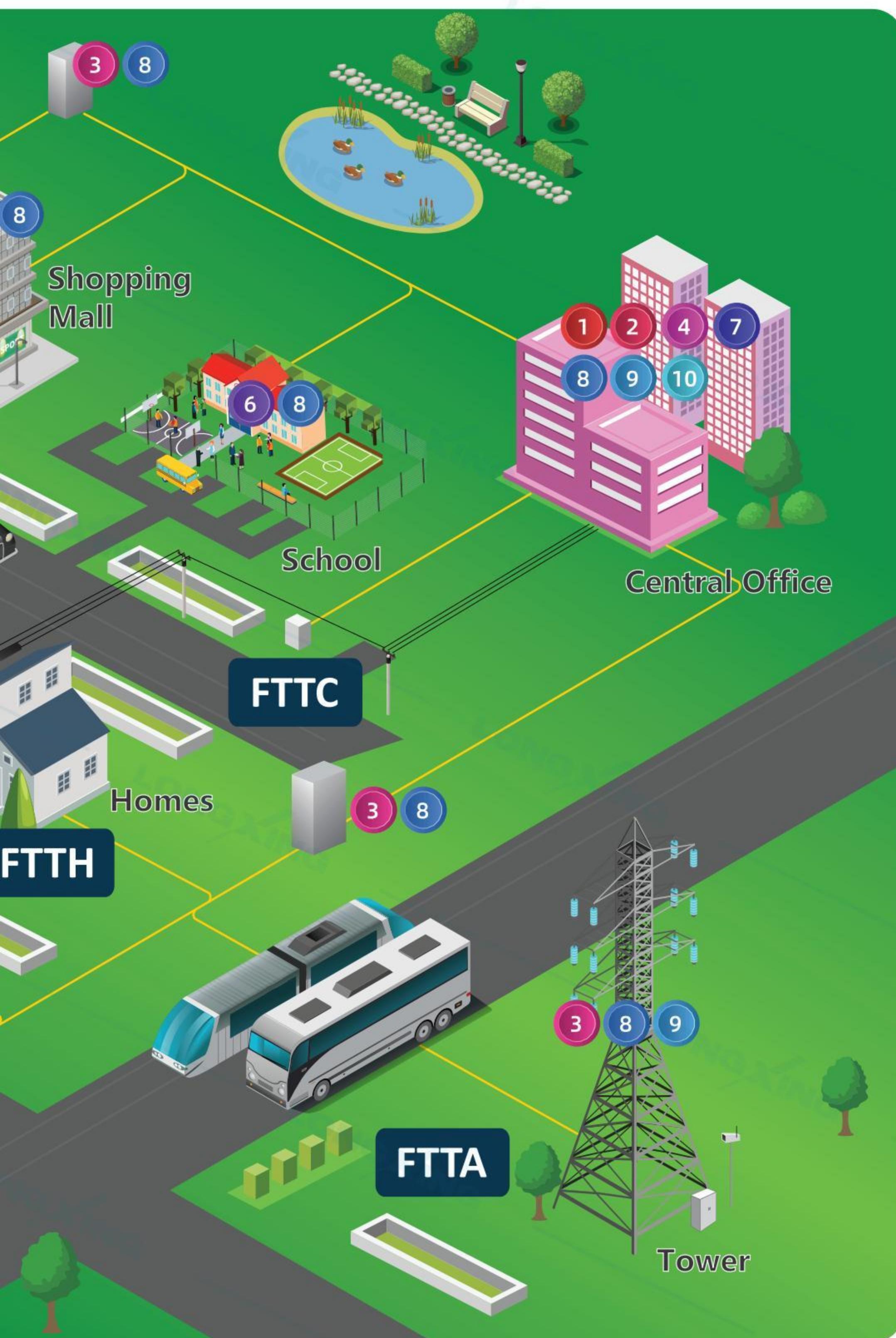
4 Data Centers



5 Splice Closures



# TOTAL SOLUTIONS



6 Distribution Boxes



10 Network Cabinets



9 Power Managements



8 Splitters & WDMS



7 Cable Trays



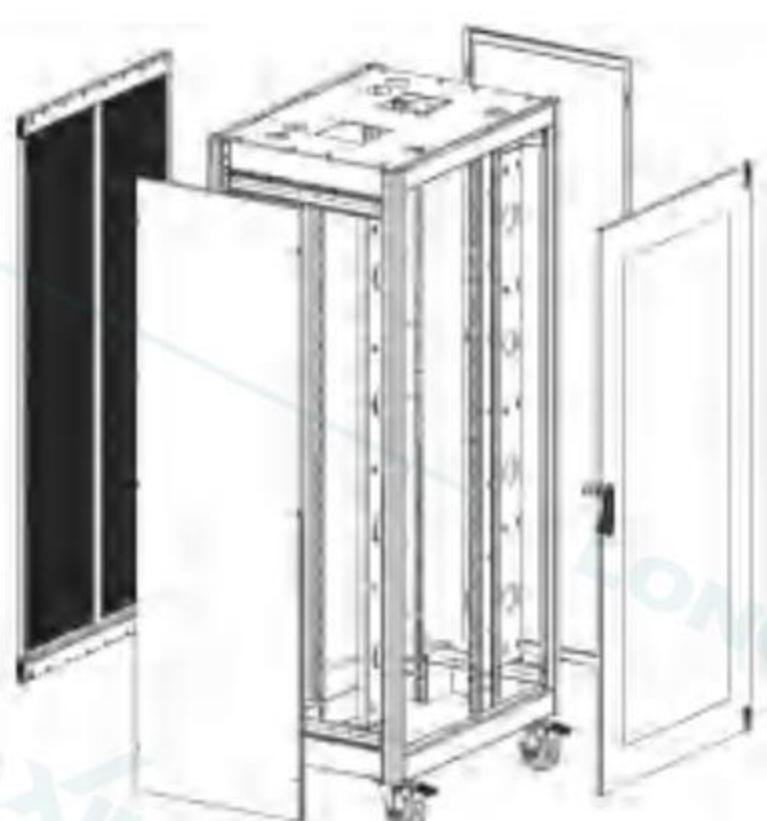


## Network Cabinets

- LongXing Z9 Series Network Cabinet solutions for advanced storage, cooling, power distribution, cable management and security in data centres and network rooms.
- Designed to accommodate today's powerful computing hardware and scalable to cater for emerging high end blade server and equipment technologies that are rapidly appearing over the horizon - the world and the data centre environment is changing and a new generation of rack solutions is born for this change - it is the Z9 Series.

**Z9 Series Network Cabinet****Features**

- Top quality steel with cover by electrostatic painted ensures the strong body and pleasing appearance.
- The cabinets are classified as wide and narrow racks.
- Grounding kit and warn unit available.



# 06 Network Cabinet

Model No.	Width		Depth				Height				
			Overall		Effective		Overall		Effective		
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
47U	Z9-0606	600	24"	600	24"	540	21"	2382	94"	2272	89"
	Z9-0608	600	24"	800	31"	740	29"	2382	94"	2272	89"
	Z9-0609	600	24"	900	35"	840	33"	2382	94"	2272	89"
	Z9-0610	600	24"	1000	39"	940	37"	2382	94"	2272	89"
	Z9-0611	600	24"	1100	43"	1040	41"	2382	94"	2272	89"
	Z9-0612	600	24"	1200	47"	1140	45"	2382	94"	2272	89"
	Z9-0706	700	28"	600	24"	540	21"	2382	94"	2272	89"
	Z9-0708	700	28"	800	31"	740	29"	2382	94"	2272	89"
	Z9-0709	700	28"	900	35"	840	33"	2382	94"	2272	89"
	Z9-0710	700	28"	1000	39"	940	37"	2382	94"	2272	89"
	Z9-0711	700	28"	1100	43"	1040	41"	2382	94"	2272	89"
	Z9-0712	700	28"	1200	47"	1140	45"	2382	94"	2272	89"
	Z9-0806	800	31"	600	24"	540	21"	2382	94"	2272	89"
	Z9-0808	800	31"	800	31"	740	29"	2382	94"	2272	89"
	Z9-0809	800	31"	900	35"	840	33"	2382	94"	2272	89"
42U	Z9-0810	800	31"	1000	39"	940	37"	2382	94"	2272	89"
	Z9-0811	800	31"	1100	43"	1040	41"	2382	94"	2272	89"
	Z9-0812	800	31"	1200	47"	1140	45"	2382	94"	2272	89"
	Z9-0606	600	24"	600	24"	540	21"	2160	85"	2050	81"
	Z9-0608	600	24"	800	31"	740	29"	2160	85"	2050	81"
	Z9-0609	600	24"	900	35"	840	33"	2160	85"	2050	81"
	Z9-0610	600	24"	1000	39"	940	37"	2160	85"	2050	81"
	Z9-0611	600	24"	1100	43"	1040	41"	2160	85"	2050	81"
	Z9-0612	600	24"	1200	47"	1140	45"	2160	85"	2050	81"
	Z9-0706	700	28"	600	24"	540	21"	2160	85"	2050	81"
	Z9-0708	700	28"	800	31"	740	29"	2160	85"	2050	81"
	Z9-0709	700	28"	900	35"	840	33"	2160	85"	2050	81"
	Z9-0710	700	28"	1000	39"	940	37"	2160	85"	2050	81"
	Z9-0711	700	28"	1100	43"	1040	41"	2160	85"	2050	81"
	Z9-0712	700	28"	1200	47"	1140	45"	2160	85"	2050	81"
	Z9-0806	800	31"	600	24"	540	21"	2160	85"	2050	81"
	Z9-0808	800	31"	800	31"	740	29"	2160	85"	2050	81"
	Z9-0809	800	31"	900	35"	840	33"	2160	85"	2050	81"
	Z9-0810	800	31"	1000	39"	940	37"	2160	85"	2050	81"
	Z9-0811	800	31"	1100	43"	1040	41"	2160	85"	2050	81"
	Z9-0812	800	31"	1200	47"	1140	45"	2160	85"	2050	81"
18U	Z9-0606	600	24"	600	24"	540	21"	1070	42"	1000	24"
14U	Z9-0606	600	24"	600	24"	540	21"	870	34"	800	31"
10U	Z9-0606	600	24"	600	24"	540	21"	670	26"	600	24"

Overall Height: w/ castors  
Effective Height: w/o castors

Overall Depth: Door to Door  
Effective Depth: Frame to Frame

## Indoor Wall Mount Cabinet

07

LX-IWMC series



Type A



Type B

NPX06-Z10

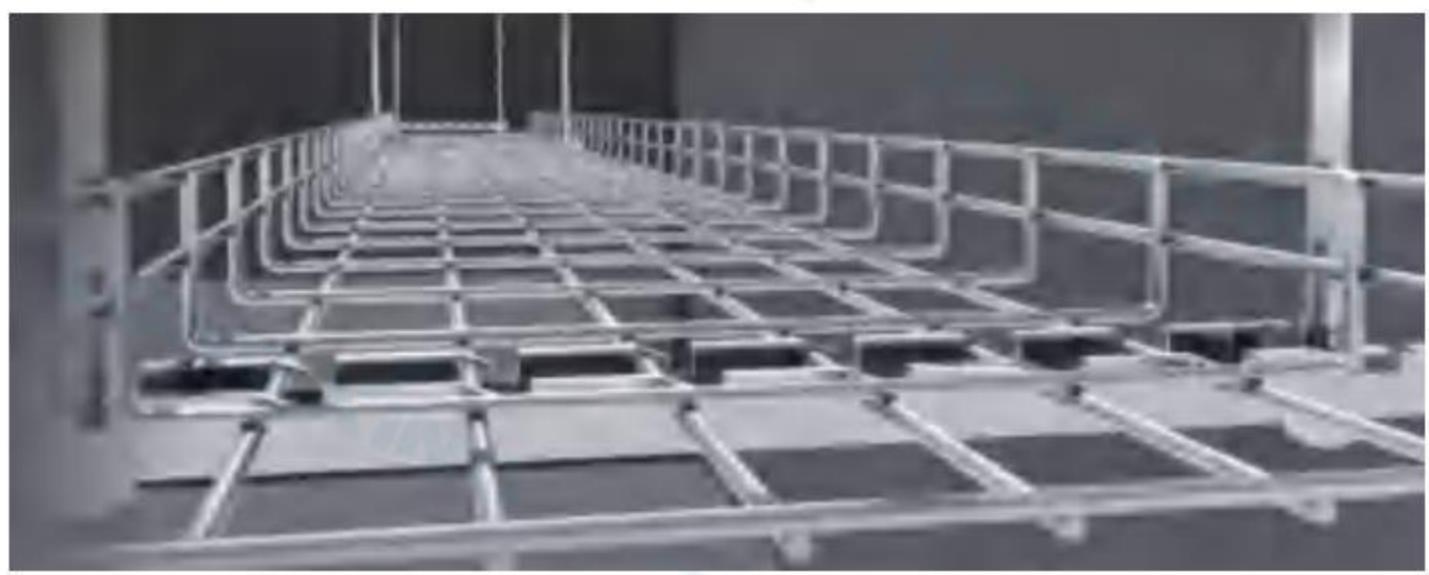


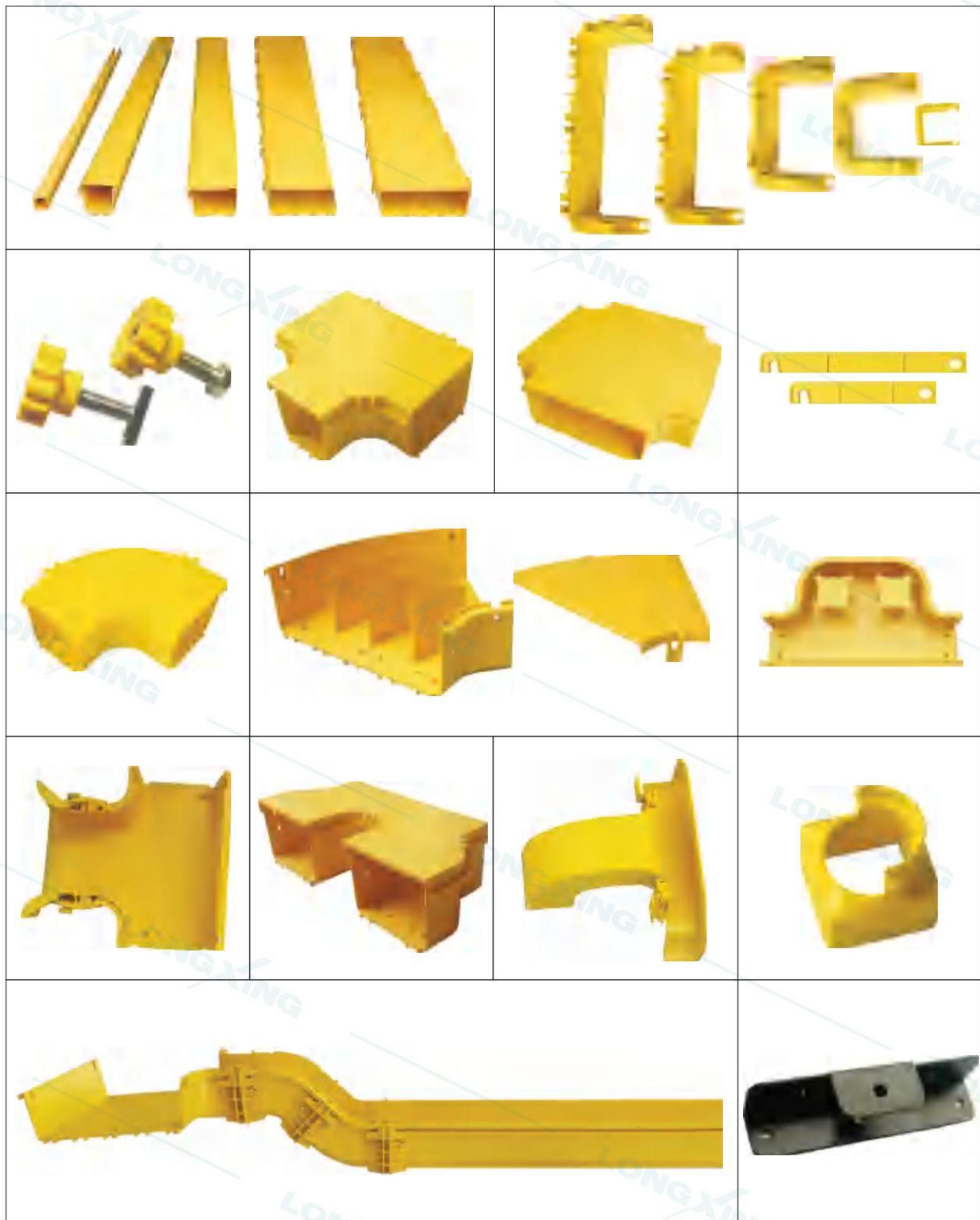
## Dimensions and Specification

Type		Height (mm)	Width (mm)	Depth (mm)	Packaging Dimension(flat packing)
LX-IWMC	6U_6045	6U-370	600	450	620*470*250mm
	9U_6045	9U-500	600	450	620*520*250mm
	12U_6045	12U-635	600	450	620*650*170mm
	15U_6045	15U-770	600	450	620*790*170mm
	6U_6060	6U-370	600	600	620*620*250mm
	9U_6060	9U-500	600	600	620*620*250mm
	12U_6060	12U-635	600	600	620*650*250mm
	15U_6060	15U-770	600	600	620*790*250mm
	12U_6015	12U-635	600	150	620*650*170mm
NPX06-Z10	Square Corner	550	600	350	/

# Cable Trays

Optical cable trays designed to protect and route fiber optic patch cords, cable assemblies to and from network cabinets, ODF and other terminal devices. They offer ideal solutions for optical raceway requirements and application with pleasing appearance and easy maintenance.







# Power Managements

Longxing Power management system contains rectifier modules, monitoring system, power supply, power distribution units and busbar trucking system. They can be found in a wide range of applications, including homes, buildings, industries, power generation, transportation, and communication.



48V 1800W



48V 3000W

## Applications

- BTS, fiber and switch telecom
- Network access
- Data center, powers server and computer
- Self protection and reliability

## Design Standards

- Safety: IEC 60950-1
- EMC: EN 61000-6
- Environment: ETSI EN 300 019-2
- RoHS compliant

### AC Input

Voltage	85Vac~ 300Vac(nominal 100Vac to 240Vac)
Frequency	45Hz-65Hz
Power factor	≥0.99@220Vac/50A
Input protection	L-line fuse 15A Varistors for transient protection

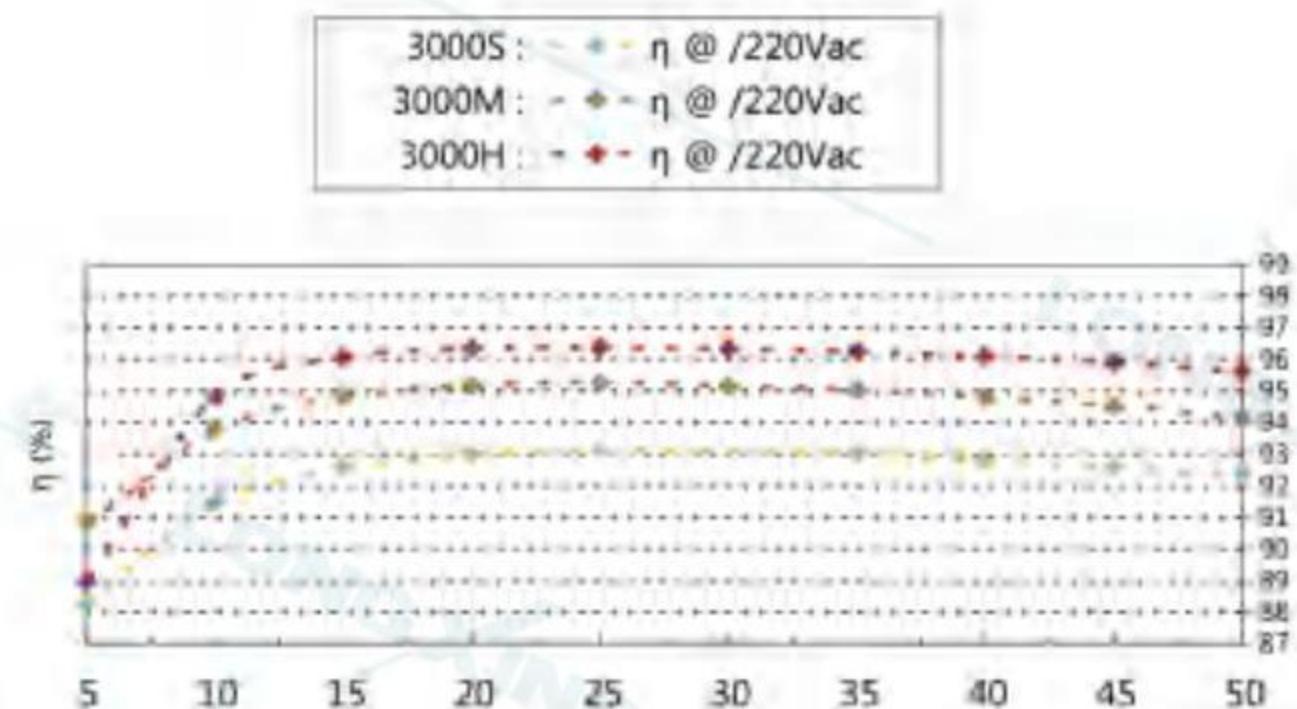
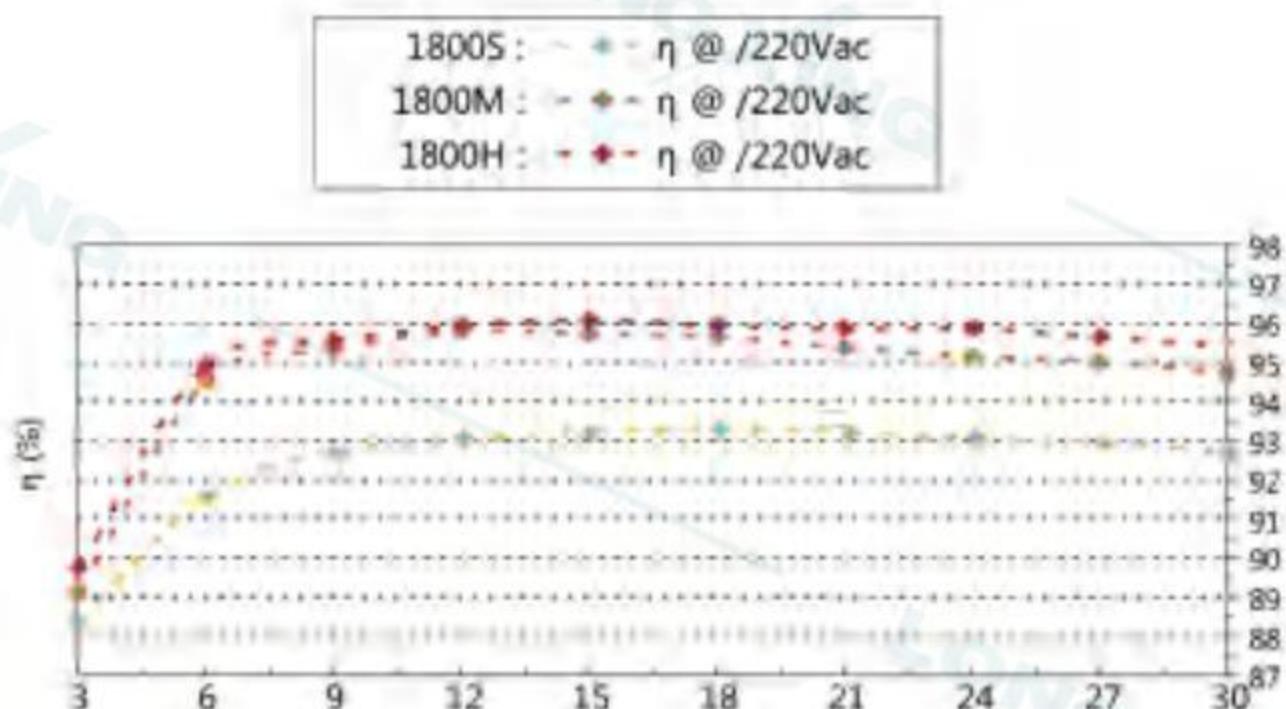
### Efficiency

Standard	≥95.0%@220Vac@peak, ≥94.0%@220Vac@100% load
High	≥96.8%@220Vac@peak, ≥95.5%@220Vac@100% load

### DC Output

Voltage	+53.5Vdc
Output power	1800W(154Vac~300Vac), 900W(85Vac~154Vac)
Maximum current	33A
Current sharing	5%
Dynamic voltage regulation	±5.0% for 10-90% or 90-10% load variation, regulation time < 200us
load regulation	±0.5% from 10% to 100% load
Ripple and noise	< 200 mV peak to peak, 30 MHz bandwidth, < 2 mV rms psophometric
Output protection	Overvoltage shutdown Hot swapable - Inrush current limiting Fuse Short circuit proof High temperature protection

### Output Current-Efficiency Curve



# 12 Monitoring System

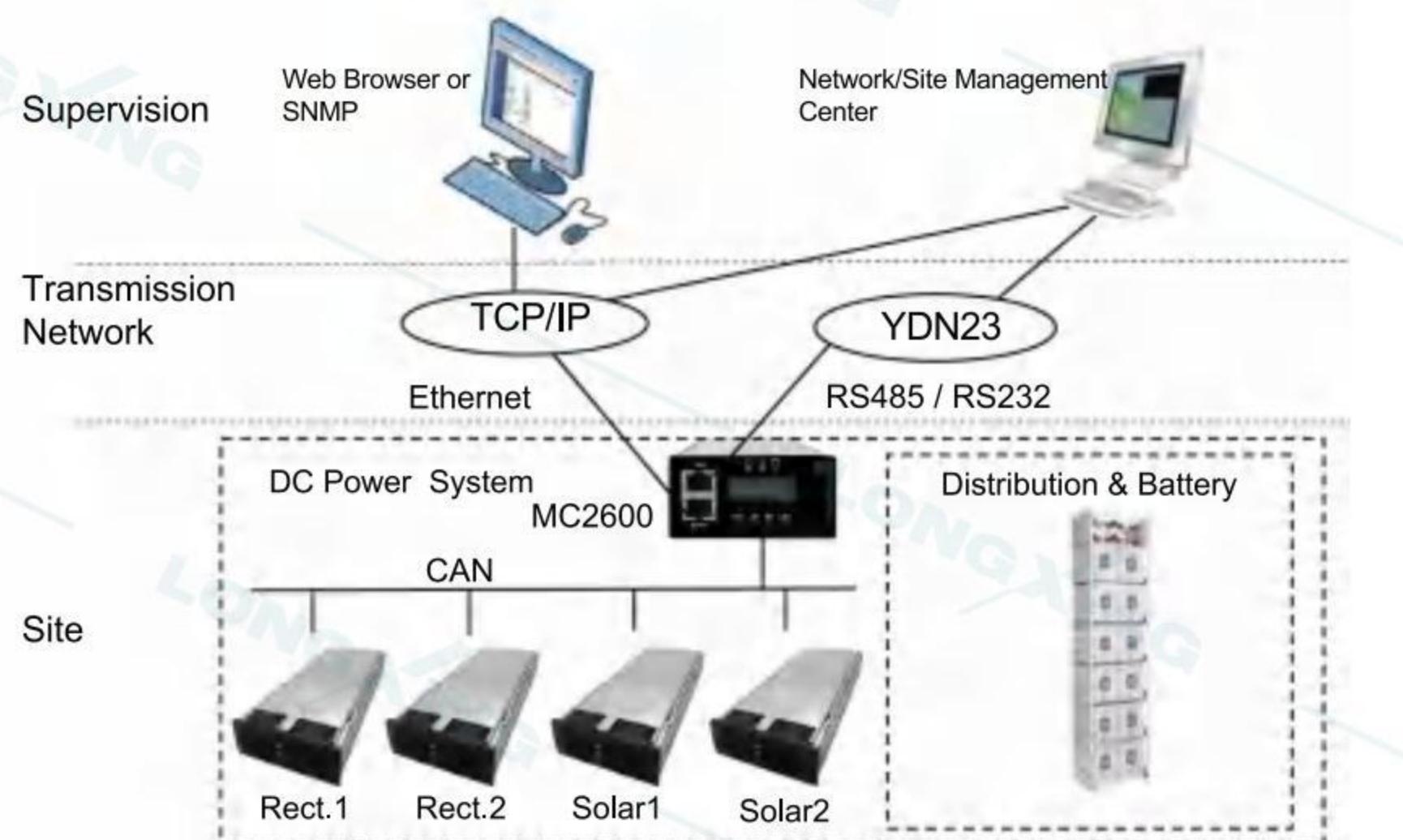
MC2600 is the new generation DC power controller module developed by LONGXING. The Controller module adopts ARM 32-bit Cortex-M4 CPU as primary controller, and RTOS as system platform. MC2600 offers many features and functions, and a more robust, user-friendly, and easy-to-use interface.



## Key Functions

Measurement	Analog value measurement Digital value measurement
Communication	The Controller can communicate with the host computer in 2 modes: RS485 and Ethernet (WEB and SNMP). It can communicate with rectifier and solar modules in CAN bus mode 2 southbound RS485 for battery BMS or extension function boards For remote and local monitor system via WEB browser, controlling, parameters upload/download, data load SNMP protocol supports GET, SET and TRAP on Ethernet
DI/DO	8+1 user digital input interfaces freely configurable 8 groups of dry contact outputs freely configurable
Screen and Leds	128*32 LCD screen display running information and local setting interface Green/Yellow/Red LEDS indicate running status for local instant diagnose
Alarm history, event history store	1000 alarms history and 1000 events history store, FIFO for system analysis
Data log store(advanced version)	2000 data logs including bus voltage, load current, battery current and temperature with time tag

## Site Monitoring Solution





481000C



48500S



48400S



48200S



48200B



48120S



4890S



4860S

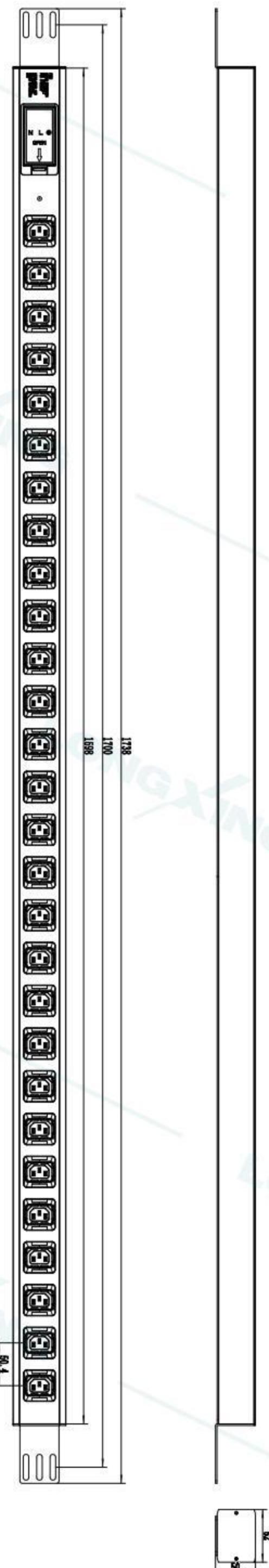
## Overview

Longxing's power supply system is specially designed to meet the demand for compact, flexible, high performance, high reliability power supply. The system consists of high/medium/standard efficiency rectifier modules of their mixture, a MC2600 monitor module, AC/DC distributors.

### More relevant designs for your reference

Item	Mounting	Capacity	Reference Dimensions(mm)	Rectifier	Rectifier
4860S	Rack-mounted	48V 60A	1Ux482.6x378	1800	2
4090S	Rack-mounted	48V 90A	3Ux482.6x378	1800	3
48120S	Rack-mounted	48V 120A	6Ux482.6x378	1800	4
48200S	Rack-mounted	48V 200A	6Ux482.6x378	3000	4
48400S	Rack-mounted	48V 400A	9Ux482.6x378	3000	8
48500S	Rack-mounted	48V 500A	10Ux482.6x378	3000	10
48200B	Wall-mounted	48V 200A	701.5x500x350	3000	4
481000C	Indoor	48V 1000A	2200x600x600	3000	20

## Power Distribution Units

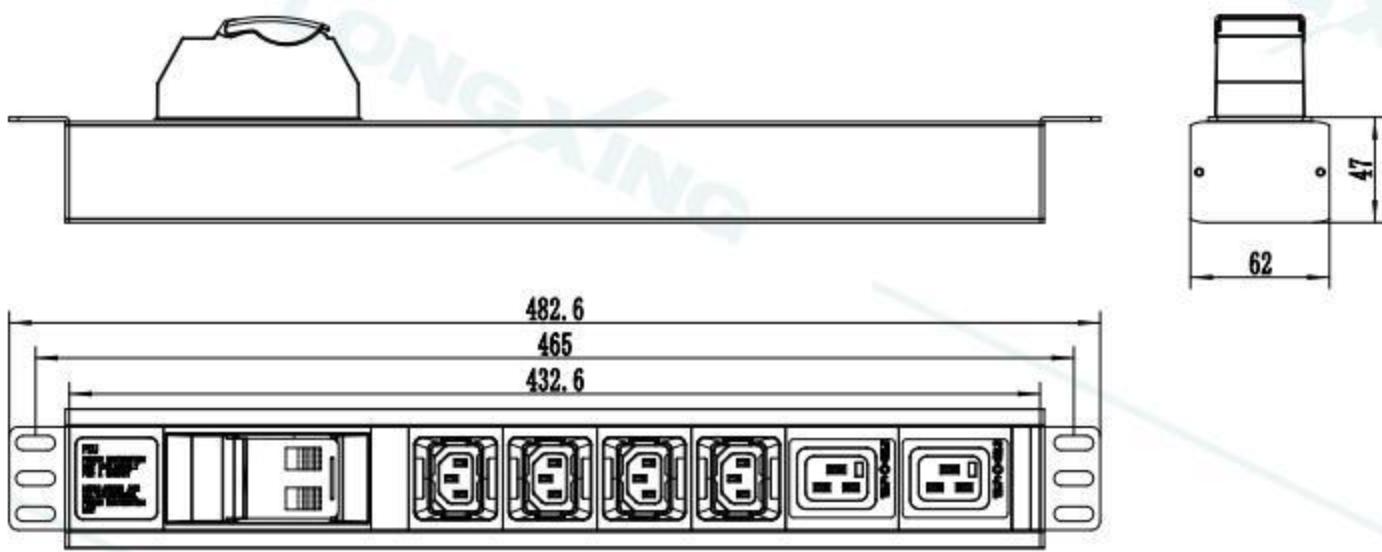


LongXing's Rack Power Distribution Unit (PDU) System is a family of products that delivers power and management to connected IT equipment through a global and comprehensive offering including Basic, Managed and Adaptive Rack PDU systems.

Each of the Rack PDU systems LongXing offers is well-suited for delivering power to sensitive, high capacity, rack-mounted equipment. Determining which is best for a particular installation requires knowing the basic power requirements of the equipment in the rack, deciding on the acceptable or preferable level of monitoring and control and then balancing those considerations against site requirements.

The LongXing Rack PDU product line includes models to fit all types of installations: new or established; stable or rapidly changing; contracting or expanding. Each type of installation may require any or all types of LongXing Rack PDUs.

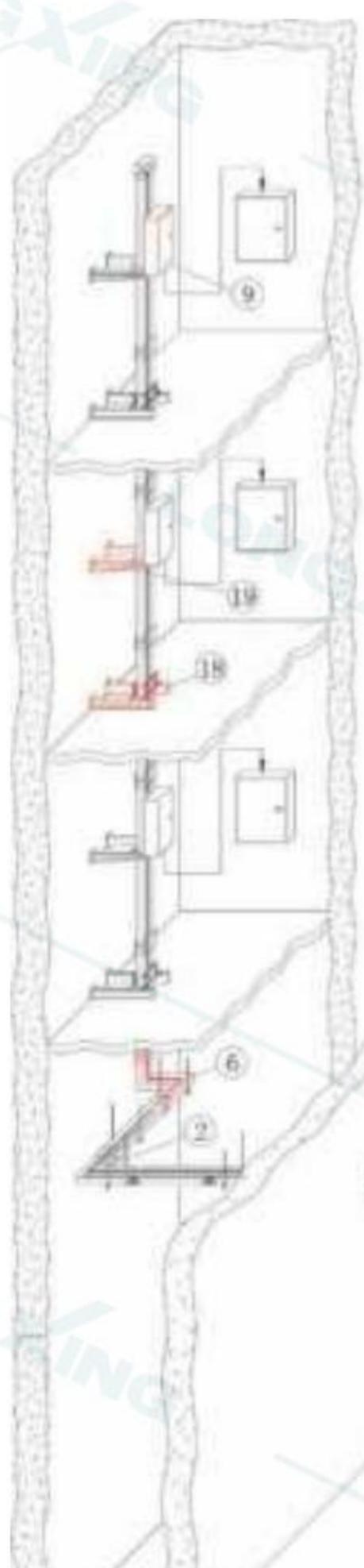
After determining your requirements, refer to the data and specifications for each product.



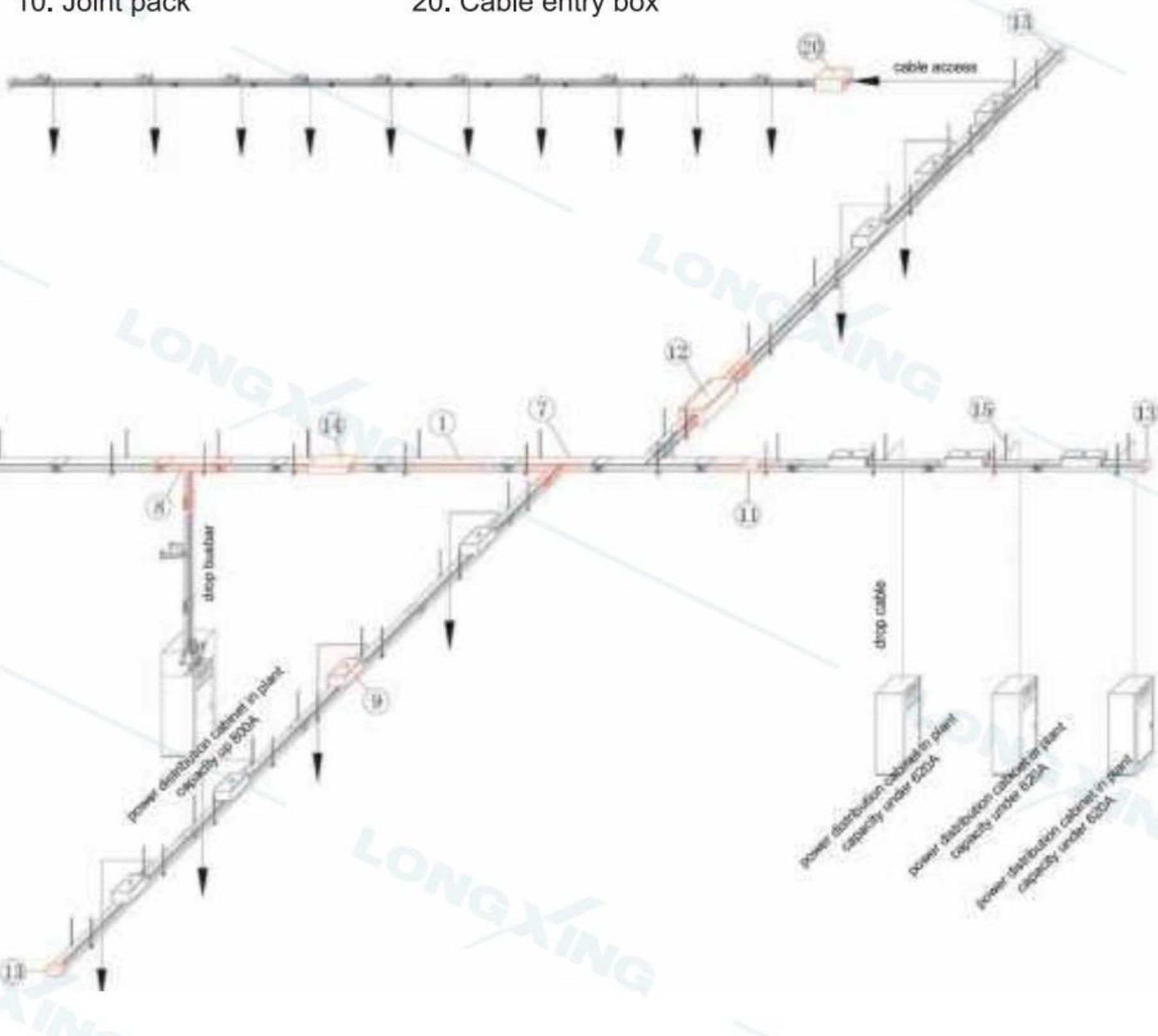
### Optional Output Units

IEC	IEC60320 C13 Anti-shedding	IEC60320 C14	IEC60320 C20	IEC60320 C19
<b>Australia</b>	AS/NZS 3112(A)		AS/NZS 3112(K)	
<b>France</b>	NFC61-314(1U)		NFC61-314(1.5U)	
<b>Germany</b>	DIN49440(1U)		DIN49440(1.5U)	
<b>Israel</b>			SI 32	
<b>Italy</b>	Italy Universal	IEC60320 C13 Anti-shedding	IEC60320 C19 Anti-shedding	IEC60320 C13
<b>South Africa</b>			RSA546	
<b>United Kingdom</b>	BS1363(1U)		BS1363(1.5U)	BS1363(EA)
<b>United States</b>	NE MA5-20R		NE MA5-15R	

FCM-II compact type busbar system fully comes from the technology from UK Gardermoen Electric, and it's also combined with the electrical environment, enjoys elaborate R&D, safe and reliable performance, and also attractive appearance. The product conforms to GB7251 and IEC60439 standard, with the rated voltage 1000V, rated current ranges from 400A to 6300A, 16A to 1250A plug-in current, and the max protection IP66, it can be applicable to 3P3W, 3P4W and 3P5W system etc. FCM-II enjoys the best overall performance in low voltage busbar field, and gets a wide use in large commercial plaza, high-rise buildings, intelligent building, gymnasium, industrial factories, hospitals and other important occasions.



1. Straight section	11. Reduction
2. Flatwise elbow	12. Reduction with protection
3. Edgewise elbow	13. End cover
4. Z flatwise elbow	14. Expansion joint,
5. Z edgewise elbow	15. Horizontal hanger
6. Combination elbow	16. Entry box + entry flange + connection copper bar
7. T flatwise elbow	17. Entry box + entry flange + flexible connection
8. T edgewise elbow	18. Spring bracket
9. Jack box	19. Mid-fixed bracket
10. Joint pack	20. Cable entry box



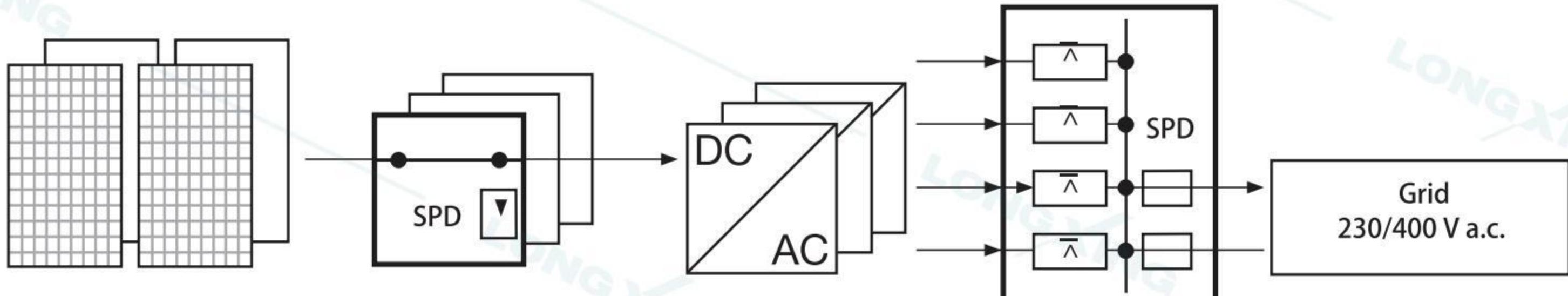
# 16 ▾ DC Combiner Box



## Features

- Easy to install.
- Degree of protection IP 66.
- Salt fog resistance can up to 500 hours.
- High precision monitoring system avoids any emergencies.
- It can be widely used in outdoor areas with its lightning prevention.
- High density material provides a security for long term using.

Parameter				
Model	SDPD-ZL-G1-12	SDPD-ZL-G13-16	SDPD-ZL-G17-20	SDPD-ZL-G21-24
Rated voltage	DC 1500W	DC 1500W	DC 1500W	DC 1500W
Max parallel input route	1~12	13~16	17~20	21~24
Output routes	1	1	1	1
Rated current of fuse (A)	15/20/25/30/32/35/40 (Fuse specifications can be selected according to the component)			
Rated current of breaker (A)	160~630A			
String wire diameter (mm <sup>2</sup> )	4~6			
Output wire diameter (mm <sup>2</sup> )	2*50-500			
Ground wire diameter(mm <sup>2</sup> )	≥16			
Operating temperature	-25 ~ +50°C			
Storage temperature	-40 ~ +70°C			
Product size(H*W*D)	700*500*160mm	850*600*160mm	1000*600*200mm	1100*600*200mm





### Features

- Easy to install.
- Degree of protection IP 66.
- Salt fog resistance can up to 500 hours.
- High precision monitoring system avoids any emergencies.
- It can be widely used in outdoor areas with its lightning prevention.
- High density material provides a security for long term using.

Parameter		AC 400V/690V						
Model		SDPD-JL-*V-2-400		SDPD-JL-*V-3-400		SDPD-JL-*V-4-400		
Input circuits		2		3		4		
Output circuits		1						
Suitable circuits		Three phase five wires/Three phase four wires						
Rated operating voltage		400V/690V						
Single loop input /output current	36KW inverter	80A/160A	80A/250A	80A/315A	80A/400A	80A/500A		
	50KW inverter	100A/200A	100A/315A	100A/400A	100A/500A	100A/630A		
	60KW inverter	125A/250A	125A/350A	125A/500A	125A/630A	125A/630A		
	80KW inverter	160A/315A	160A/500A	160A/630A	/	/		
Operating temperature		-25 ~ +50°C						
Storage temperature		-40 ~ +70°C						
Product size(H*W*D)		500*600*180mm	500*600*180mm	500*600*180mm	500*600*180mm	500*600*180mm		

Parameter		AC 690V		
Model	SDPD-JL-2	SDPD-JL-3	SDPD-JL-4	
Input circuits	2	3	4	
Output circuits		1		
Suitable circuits	Three phase four wires/Three phase three wires			
Rated operating voltage	800V			
Single loop input current	0-250V			
Output current	250-800V			
Operating temperature	-25 ~ +50°C			
Storage temperature	-40 ~ +70°C			
Product size(H*W*D)	600*750*180mm	700*750*180mm	850*800*180mm	

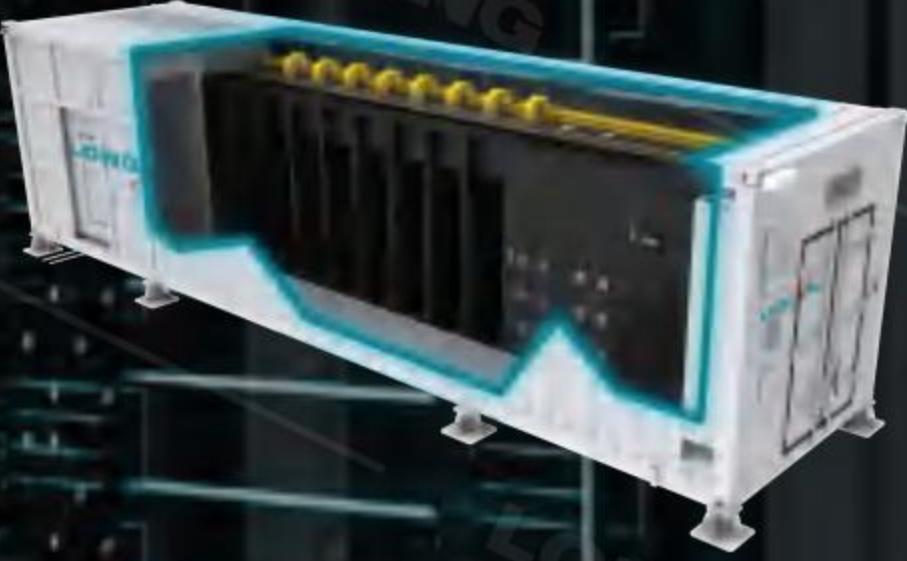
# DATA CENTRE

All-in-one data centre solutions  
Reliable, stable and green environment for IT equipment  
Multiple industries and scenarios applications  
Easy expansion & flexible management



**CabiCentre**

All-in-one Mini Data Centre



**Containerised Data Centre**

Prefabricated All-in-one Data Centre



**Micro Data Centre**

Rapidly-arranged, All-in-one Data Centre



An expert designed, pre-configured, self-contained and factory tested all-in-one cabinet that provides solution for edge applications and satisfies small business IT requirements.



### Technical Specifications

Dimensions (H*W*D)	2200mm*600mm*1100mm
Usable Rack Space	27U
Air Conditioner	Integrated
Floor Area (incl. service space)	1.38m <sup>2</sup>
Color	Black (RAL 9005)
Display	10.1" Touch Screen
Display Languages	English / Chinese
Auto LED Lighting	2, Front & Rear
UPS Capacity	6kVA
UPS Backup Time	20-60 minutes @ 3.5kW
System Capacity	3.5kW
System Input Requirement	Single Phase 110V/220 V-240 V
Power Distribution Units (PDU)	16A input, IEC
Lightning Protection / Surge Suppression	Level 3, 20KA
Cooling Capacity	3.5kW
Emergency Fan	Optional
System Management (UPS/Cooling/PDU)	Yes
Temperature Sensor	6
Water Leak Detector	1
Door Access Sensor	2
Net Weight	330KG
Warranty	2 years

Typical Edge Applications	CabiCentre	Typical Edge Applications	CabiCentre
Renovation	Required	Minimum	Pre-installed and wired
Design	Required in advance	Proven solution	Integrated with lightning protection
Installation	Complicated with different suppliers	Plug & play	Minimal
Cabling	Hard to organise	Factory settled	Integrated and tested
Set Up Time	15-20 days	1 day	Standard network cabinet looking
Floor Area	10-20 sqm	1.38 sqm	LongXing

# 20 Data Center | CabiCentre

## Remote Monitoring System

### SIGNAL

- Door Alarm
- Fire / Smoke Alarm
- Water Leak Alarm

### DATA

- Temperature
- Humidity
- Power Consumption
- PDU
- Space Usage
- Asset Management System

### CONTROL

- A.C. / Cooling
- Door Access
- Equipment



## Prefabricated All-in-one Data Centre



 HUMIDITY (RH)  
External: 5% ~ 100%  
Internal: 20% ~ 80%

 TEMPERATURE  
External: -40°C ~ +55°C  
Internal: Cold aisle temp: +18°C~+27°C

 ALTITUDE  
≤1000m

 SOLAR RADIATION INTENSITY  
1120 W/m<sup>2</sup>

 DUSTPROOF and WATERPROOF  
IP55

 ANTI-SEISMIC  
VIII degrees (horizontal acceleration: 0.25g;  
vertical acceleration: 0.125g)

 ANTI-THEFT  
Meet requirements of EN 1627~EN 1630 Class 3

 FILTH RATING  
IV (climb: 3.1cm/kV, by maximum operating voltage meter)

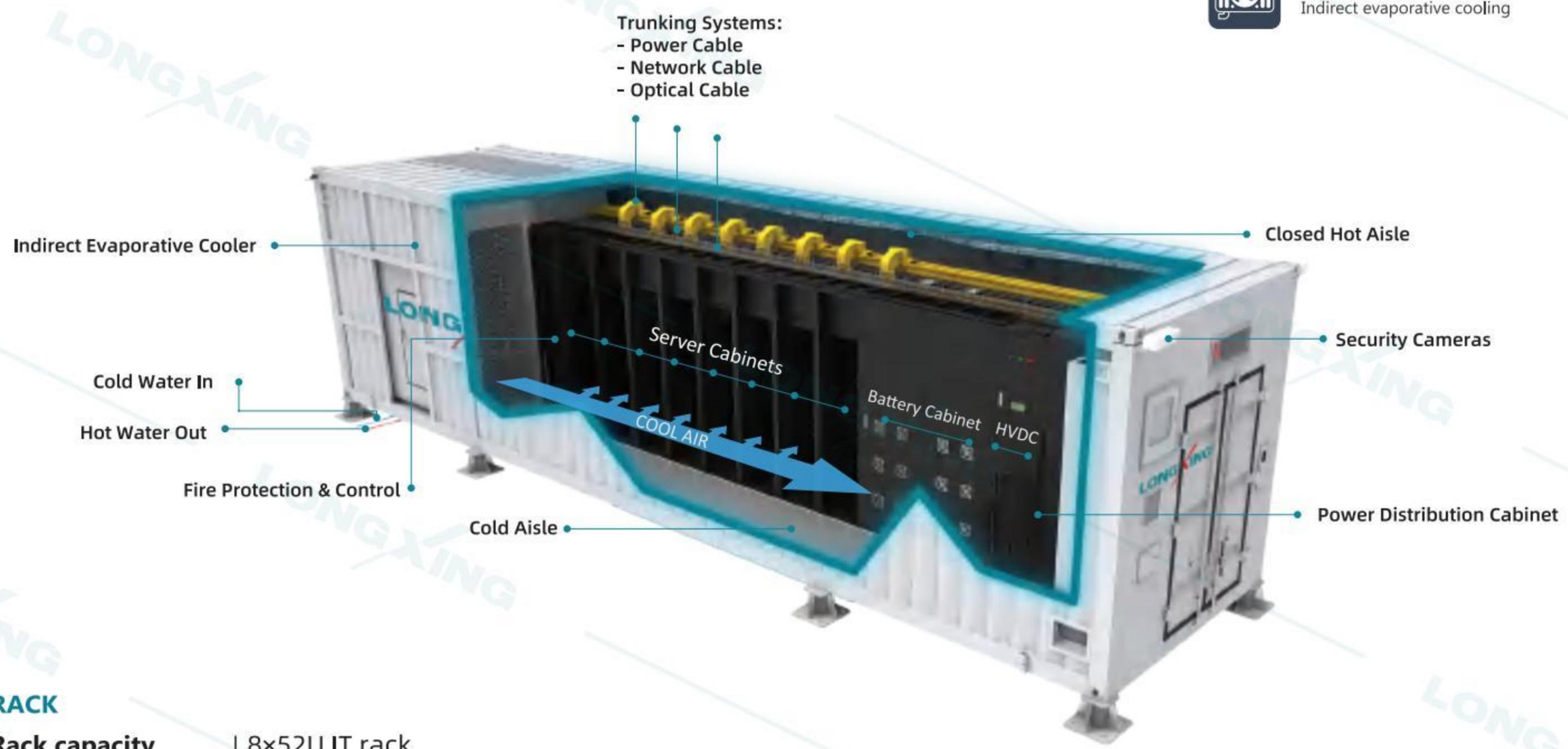
 RACK  
8\*52U IT rack

 MONITORING  
Remote monitoring system supported

 FIRE PROTECTION  
Automatic fire detection & suppression

 POWER  
Asset Management System

 COOLING  
Indirect evaporative cooling

**RACK**

**Rack capacity** | 8×52U IT rack

**Rack distribution** | 8×10 kW/rack & 8×13.2 kW/rack

**Size (H×W×D) mm** | 2500×600×1200

**ENCLOSURE**

**External size (H×W×D)mm** | 3200×3000×12192 (Typical)

**Aisle width** | Hot aisle of 650-700mm; cold aisle of 850-900mm

# 22 Data Centre | CDC

POWER		
Total IT load	≤ 96kW	≤ 120kW
Power density per rack	≤ 10kW	≤ 13.2kW
Input mode	380V mains electricity input 240V DC input from HVDC cabinet	
Integrated HVDC cabinet size (H×W×D)mm	2500×600×1200	
HVDC capacity	120kVA	
Number of rectifier module	7+1	
BAT backup time	20min under full loads	
PDU	A route: IEC320 11×C13+11×C13+11×C13 B route: IEC320 16×C13+16×C13	
Surge protection	Level-3	
COOLING		
A/C type	Indirect evaporative cooling	
Sensible cooling capacity	120kW	
Coolant	R410A	
Fan type	EC fan	
Compressor	2/1 variable-frequency+1 fixed-frequency	
Temp. range	+18~+27°C	
Humidity range	20%~80%	
Hot/cold aisle	Hot aisle containment	
FIRE PROTECTION		
Auto fire protection system	Automatic fire detection & suppression system c/w emergency release function	
Alarm	Automatic monitoring and detection, support sound and light alarm	
Gas	HFC-227ea	
MONITORING		
Module access	Password	
Rack access	Customization	
Monitoring management	Real-time monitoring of temperature and humidity control, fire control, access control and cooling system	
In-module display	PAD	
Remote O&M	Web	

## Rapidly-arranged, All-in-one Data Centre

### Energy-saving and efficient

- Efficient power supply and distribution, refrigeration close to heat source, effective reduction of PUE value of module.
- Isolate hot and cold airflow, eliminate invalid airflow cycle and eliminate hot spots.
- Improve functional component performance through module integrated management and coordinated operation.

### Fast Arrangement

- Standardized components, de-engineering, assembled delivery.
- Timely matching to business development, rapid expansion of capacity.

### Simple and reliable

- Data center infrastructure product, reduce influence of construction process, improve system reliability.
- Product Grade factory inspection, higher quality assurance.
- Strong adaptability, suitable for users in a variety of on-site conditions.





**Remarks:**

## Inside Our Factory

In recent years, LongXing have been investing in advanced manufacturing facilities which can significantly improve both the productivity and quality of a manufacturing process. Manipulators, in particular, are capable of performing repetitive and complex tasks with speed, accuracy, and consistency. This reduces the risk of errors and defects in the manufacturing process, resulting in higher-quality products that meet or exceed customer expectations.





LongXing

**LONGXING**

Add: 328 Anju Road, Beilun, Ningbo, 315800. China

Tel: +86 574 87917627 ( English & Chinese )

Fax: +86 574 87908188

Postcode: 315800

Email: sales@lxtelecom.com

Website: www.lxtelecom.com

Ver. PG230309

Recycled Paper

**ATTENTION:**

Specifications published here are current as of the date of publication of this document. Because we are continuously improving our products, LongXing reserves the right to change specifications without prior notice. At any time, you may verify product specifications by contacting LongXing.