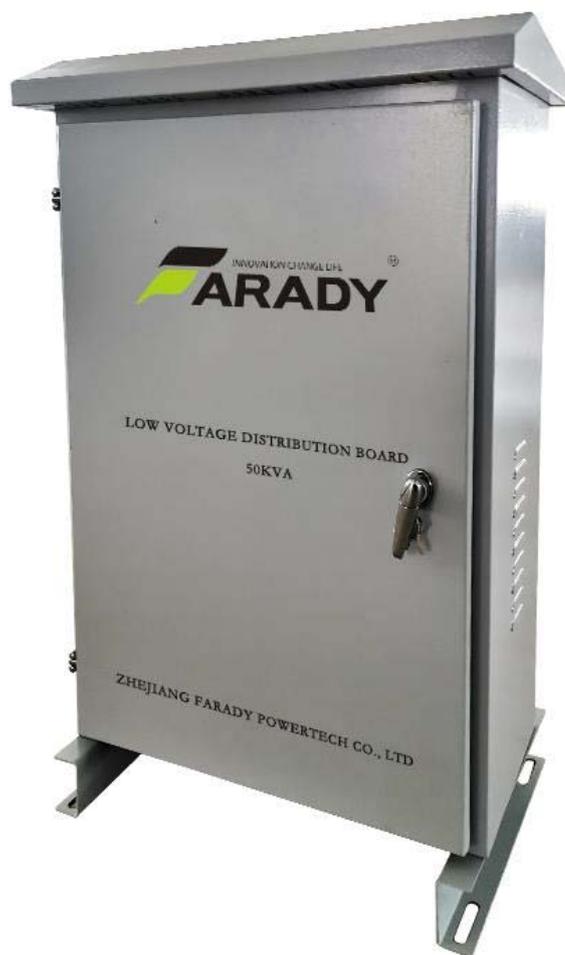




Outdoor Low Voltage Distribution Box

---Feeder pillar

---LVDB



Product brochure

2016/8

Zhejiang Farady Powertech Co., Ltd.

ISO9001&ISO14001 certificated enterprise

COMMITTED TO BE BETTER POWER

++++General

With the strong assistance of our adept professionals, we are engrossed in supplying a large variety of Feeder Pillar Panel. The offered panel is Integrated with power distribution/metering/protection/control/reactive power compensation function. This panel is extensively used in commercial and residential sectors for low voltage distribution applications. Before offering to the clients, this panel is stringently tested in order to ensure its flawless performance. Comply with standard IEC439

++++Service environment

- a) Air temperature: Maximum temperature: +40°C; Minimum temperature: -25°C*
- b) Humidity: Monthly average humidity 95%; Daily average humidity 90% .*
- c) Altitude above sea level: Maximum installation altitude: 2500m*
- d) Ambient air not apparently polluted by corrosive and flammable gas, vapor etc.*
- e) No frequent violent shake*

++++Product feature

Farady JP feeder pillar enclosure was made of 2mm high quality stainless steel plate after multiple bending flanging process (flame retardant, environmental protection, heat insulation, anti-condensation performance), using special stainless steel welding process, the overall strength after molding, the surface smooth as a mirror, do not leave weld marks; internal installation of beam (plate) for the hot galvanizing process, to ensure that the twenty years do not rust; the front and rear doors, easy operation and maintenance, the door was edged with high elastic aging sealant, each door is equipped with two types of lock, padlock with anti rain cover wall rust; whole closed with a sealing device measuring room; the side of the box is equipped with cable lines into the proof of foreign body wear tube, bottom ventilation holes and the cable outlet hole is arranged at the top of ventilation and screen, waterproof Anti rust, dustproof, anti-foreign object function, protection grade: IP54.

++++ Main technical specifications

No.	Description		
1	Busbar Rating	A	630
2	Metal used for busbars		Copper
3	Type of protection used on busbars against corrosion (e.g. heavily tinned)		Tinned Plating
4	Dimensions of busbars length x width x thickness	mm	660 x 50x 5
5	Method of connection between busbars and cable lugs (cable lugs not to be provided)		Bolted Type
6	Fixing centre of HRC fuse	mm	90
7	Are safety barriers fitted between phases of the same incoming or outgoing unit?		Yes

8	Are insulating shields fitted between adjacent units?		No
9	Minimum clearance between the lowest cable connection and ground level	mm	300
10	Material used for housing		Hot Dipped Galvanized Sheet
11	Treatment of housing against atmospheric corrosion		7 Tank Process
12	Padlocking facility on housing door		Yes
13	Dimensions of complete housing (Root included) Height x width x depth	mm	1475x1300x500
14	Weight of complete pillar		200kg

Note: For rated current is optional by clients.

++++Outdoor electrical distribution with advanced technology

Farady low voltage, JP series Feeder Pillars use 304 stainless steel enclosure with IP54 protection degree suitable for outdoor use

++++Cost savings

All weatherproof outdoor enclosures allow the equipment to be located in any outdoor environment, freeing up valuable indoor floor space whilst retaining remote operation and control.

There are a wide range of metering instruments available for monitoring the unit locally or remotely, ensuring efficient operation.

JP series Feeder pillars are available as part of a package substation with transformers and MV switch or circuit breakers. Additional cost savings are achieved through direct coupling from the transformer to the JP Feeder pillar eliminating expensive cable runs

++++Safety

CCC certified, providing IP54 operator protection under all circumstances during operation, allowing electrical systems to be fully co-ordinated minimising electrical faults. In addition to the overload and short circuit protection, each breaker can be fitted with earth fault protection.

++++Flexibility

The modular design enables customisation for individual requirements, and has the flexibility to suit the changing needs of the LV distribution system.

Maximum flexibility is achieved by the four pole busbar system up to 3200A and the Compact NS range of moulded circuit breakers of ratings up to 630A.

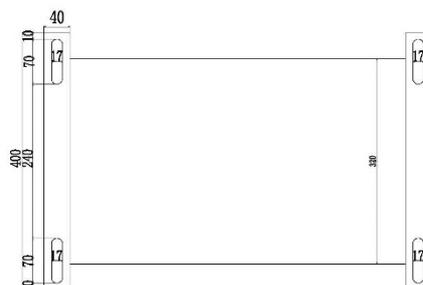
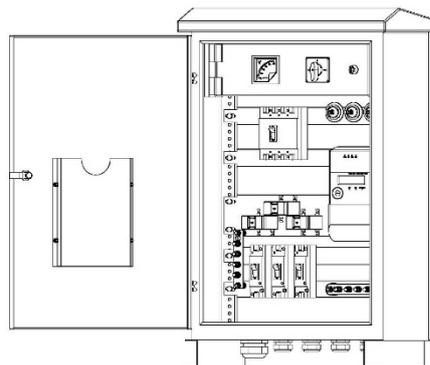
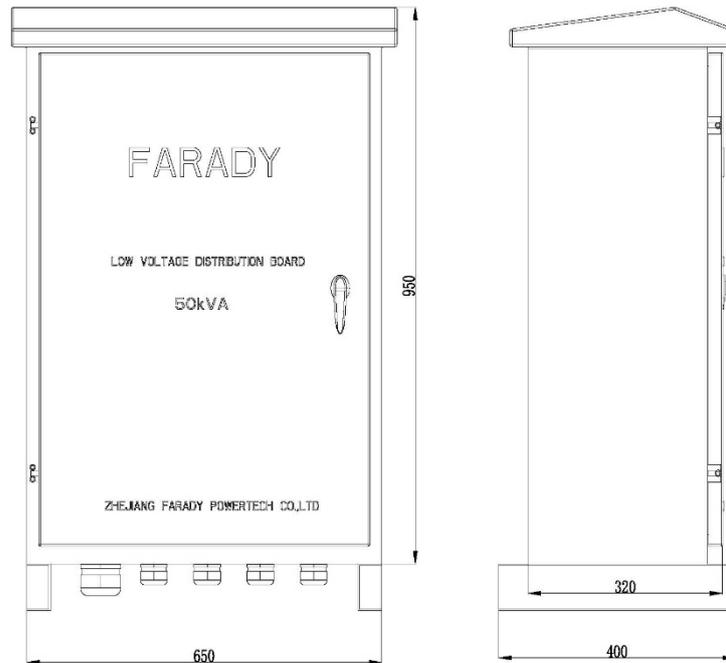
As a complete unit, the JP Feeder Pillar will not only provide circuit protection, but the outgoing circuits can also be controlled individually via hardwired pilots or linked to the incoming breaker. Other "add-on" benefits include remote monitoring and status of each breaker and also remote operation through motor mechanisms.

++++Easy installation

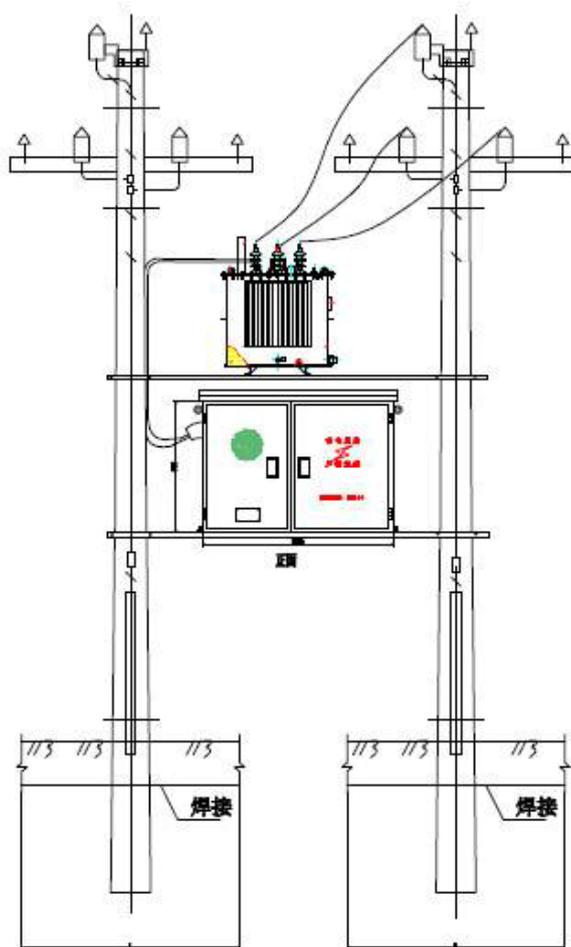
The JP Feeder pillar comes complete and factory assembled for easy installation in any

outdoor location with bottom entry cable through individual gland plates. The cable space is protected by an earthed metal screen, and each breaker is fitted with cable shrouds to maintain IP2X operator protection when the screen is removed. Addition of new circuits is made easy, by utilising the cassette on the MCCB breaker allows the breaker to be positioned anywhere on the busbar system before being clamped, contributing minimum disruption of supply.

++++structure



++++Installation size



++++Ordering Instructions

1. Below terms should be marked while ordering:
Incoming and outgoing
With reactive power compensation or not
Protection method(MCCM/ELCB or recloser)
Breaking capacity

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Zhejiang Farady Powertech Co.,Ltd

TEL:0086-577-61512688

Fax:0086-577-61510628

[Http://www.farady-electric.com](http://www.farady-electric.com)

Email:info@farady.cn

Add:N.O.278,Wei 7 Rd,Yueqing Economic development
Zone,Yueqing,Zhejiang,P.R.China, 325606