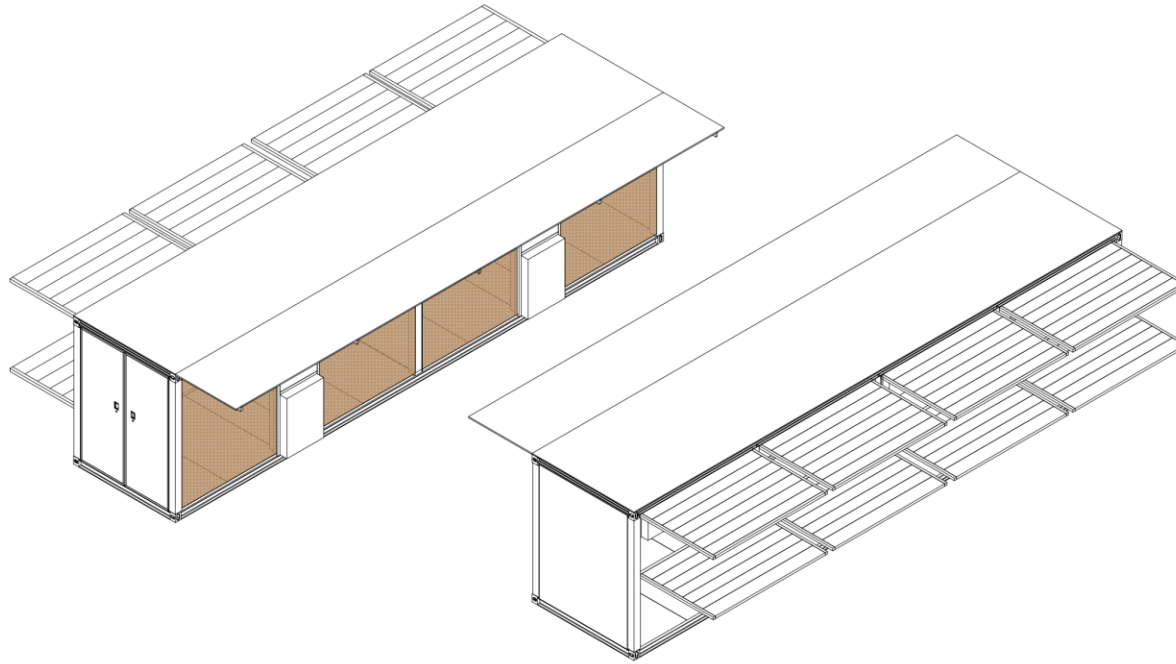




Bitcoin mining BOX 1600KVA

RHY-1600/BTC-432



水帘面雨棚（冷风区）：

Water curtain surface rainshed (cold-blast area):

冬季防止雪花被吸入矿机、影响矿机正常使用造成经济损失。

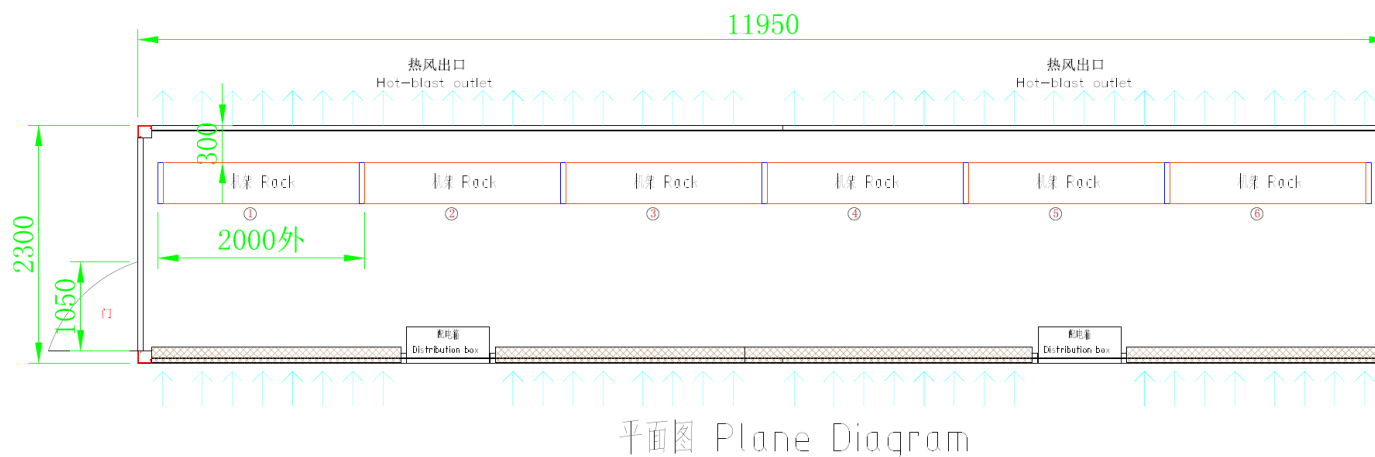
In winter, snowflake is prevented from being sucked into the mining machine and affecting the normal use of the mining machine resulting in economic losses.

风机面雨棚（热风区）：

Fan surface rainshed (hot-blast area):

防止雨水、大雪浸入矿机内部、影响矿机正常使用造成经济损失。

Prevent rainwater and snow from soaking into the interior of the machine and affecting the normal use of the machine and causing economic losses.



技术说明: Technical Note:

1、矿箱规格: 长11950宽2300高2980; 单个矿箱布置6组机架, 机架规格长2000宽380高2890×8层: 每个机架每层可装9台S19/S17/神马M30S/阿瓦隆等矿机, 每个机架8层共装72台矿机, 每个矿箱共装机432台S19矿机; 装机容量按: 3.3—3.6KW/台计算 功率为: 1404—1555.2KW;

1、Mineral box specification: length 11950, width 2300, height 2980; single mining box layout of 6 groups of gantries, gantry specification: length 2000, width 380, height 2890 X 8 layers:

9 S19/S17/Shenma 30S/Avalon mining machines per later per gantry. A total of 72 mining machines were loaded in 8 floors per rack. A total of 432 S19 mining machines were installed in each mine tank. The installed capacity is calculated as: 3.3-3.6 KW/set, power: 1404-1555.2KW;

2、材料: 底梁采用16#槽钢、顶梁采用10#槽钢、加筋采用100×50矩管。立柱采用3mm钢板折弯成型。集装箱底板采用3mm花纹钢板, 两端箱面、箱顶均采用钢板焊接、配电箱至货架顶部下线, 设置电缆桥架及EP绝缘套管。

2、Materials: 16# groove steel for bottom beam, 10# groove steel for top beam, and 10 X 50 rectangular tube for reinforcement. The post is bend molded from a 3 mm plate. The shipping container base plate is made of 3 mm pattern steel plate. Both ends of the box face, the top of the box are welded with steel plate, the distribution box to the top of the shelf is set with line. Cable bridge and EP insulating sleeve are set.

3、焊接技术要求, 满足《轻钢结构设计要求及验收标准》, 焊接饱满、平滑、无虚焊、漏焊、毛刺、飞溅、锐角;

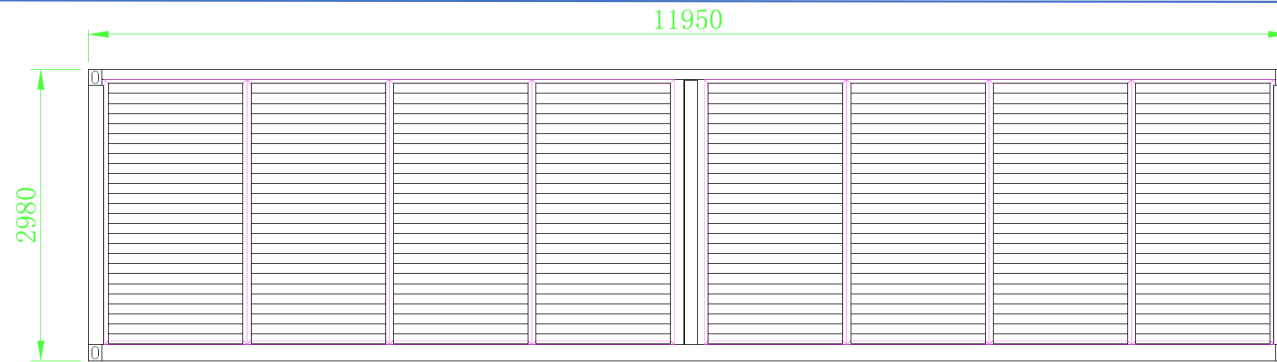
3、The technical requirements for welding shall meet the Design Requirements and Acceptance Criteria for Light Steel Structures, and the welding shall be full, smooth, and free of deficiency welding, missed welding, burrs, splashes, and sharp corners;

4、对角误差≤5mm, 扭曲度≤3mm, 满载挠度≤5mm

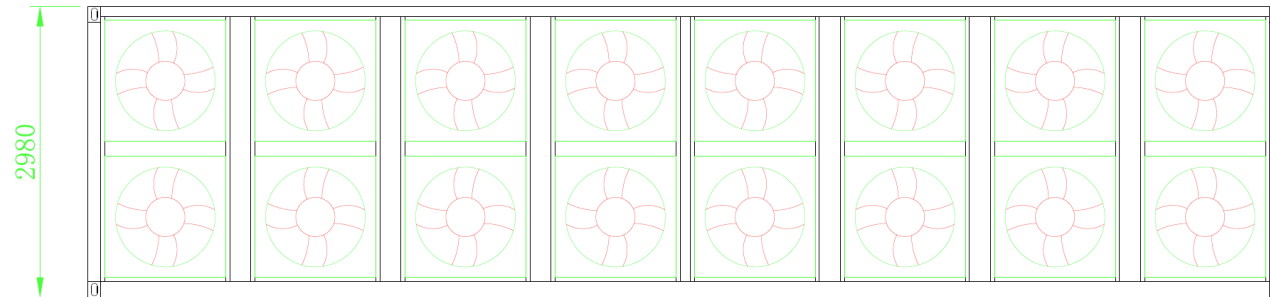
4、Diagonal error ≤ 5m, distortion ≤ 3 mm, full load rap ≤ 5mm

5、所配置的电器、电缆、动力柜、PDU插排等均满足UL/CSA规范和标准;

5、The configured appliances, cables, power cabinets, and PDU sockets all meet the UL/CSA specifications and standards;



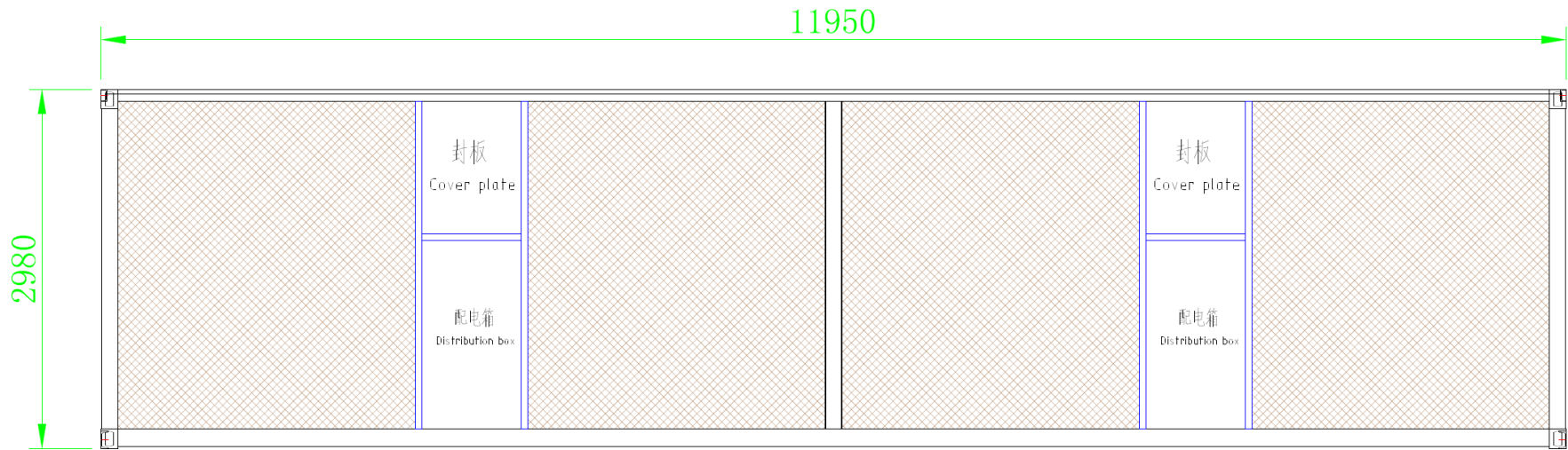
雨棚面主视图 Front view of rainshed surface



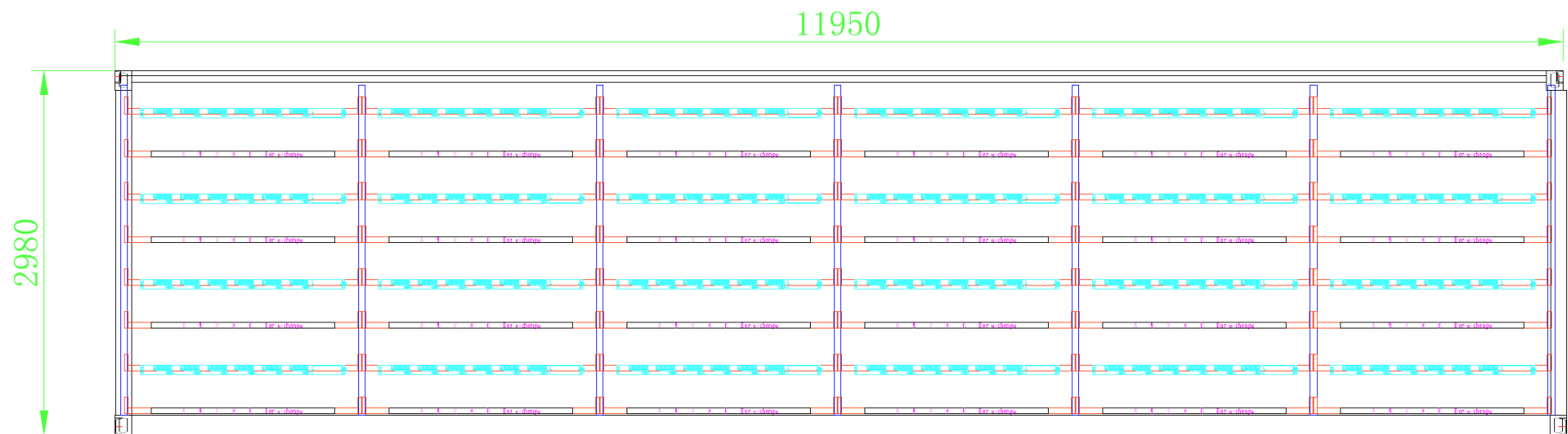
风机面主视图 Fan front view

雨棚和风机同时只能使用其一，在温度低是使用雨棚遮挡雨水即可，温度升高时取下雨棚，安装风机达到降温效果

Only one rainshed or one fan can be used at the same time. At low temperature, rainsheds can be used to cover rainwater. When the temperature increases, the rainsheds can be removed and fans can be installed to achieve the cooling effect



水帘面主视图 Curtain front view



PDU/条形交换机主视图 PDU/Bar Exchange Front View Goods shelf

货架共8层:

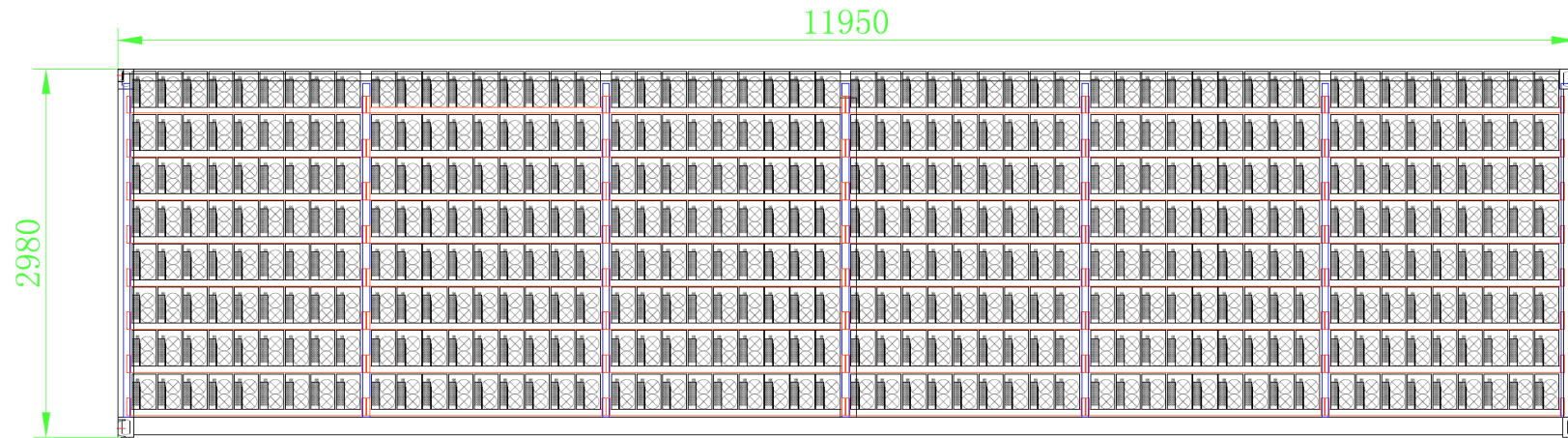
Storage rack: 8 layers:

第1、3、5、7层安装条形交换机;

Install bar switch on layer 1, 3, 5, 7

第2、4、6、8层安装PDU插排。

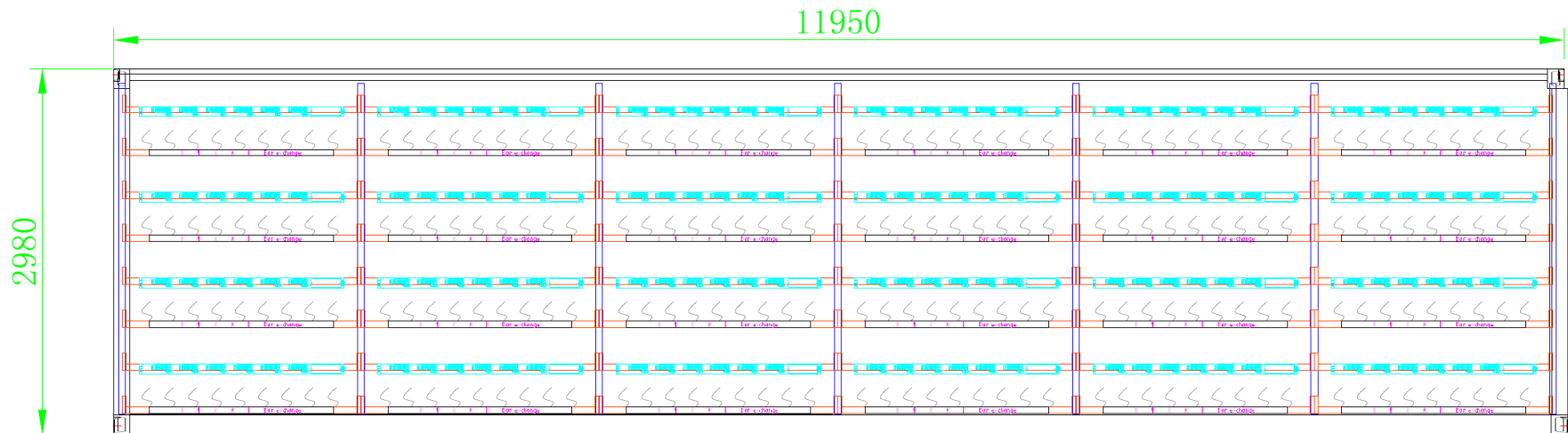
Install PDU sockets on layer 2, 4, 6, 8.



矿箱装机布置图 Layout of Mine Box Installation

每个机架每层可装9台S19/S17神马M30S/阿瓦隆等矿机等矿机，每个机架8层共装72台矿机，每个矿箱6组机架共装432台S19/s17神马M30S/阿瓦隆等矿机，装机容量：每个矿机按3.25—3.6KW/台计算，功率为：1404—1555.2KW

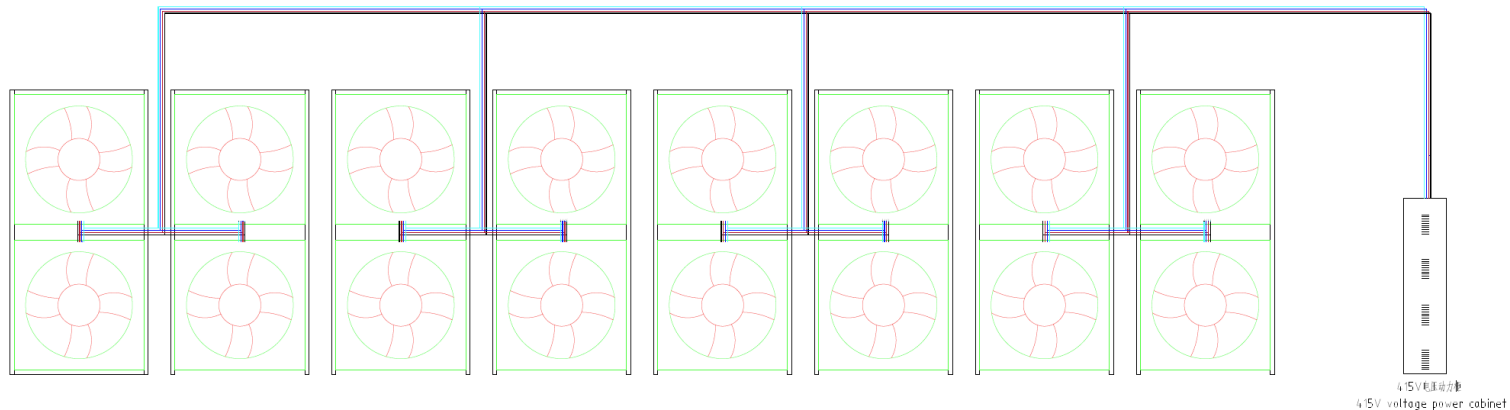
Each layer of each gantry can load 9 S19/S17 Shenma M30S/Avalon mining machine and other mining machines, and a total of 72 mining machines are loaded in 8 layers per gantry. A total of 432 S19/s17 Shenma M30S/Avalon mining machines were loaded in 6 groups of gantries in each mining box. Installation capacity: each mining machine is calculated as 3.25-3.6 KW/machine, power: 1404-1555.2Kw



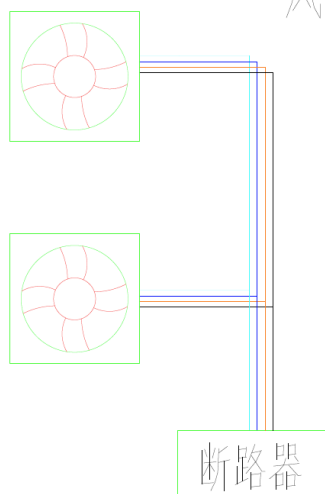
交换机网络布置图 Exchange Network Layout

22口交换机24支，网线L=500mm 432根，千兆光纤需方自配

Twenty-four 22-port exchanges, 432 network wires (L = 500 mm,) self-prepared gigabit optical fiber demander



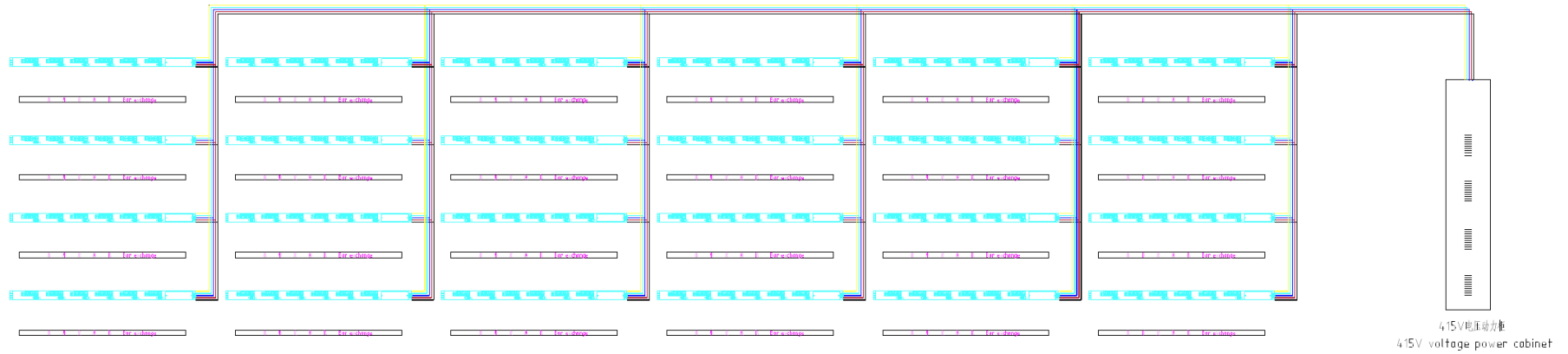
风机电路布置图 Fan circuit layout



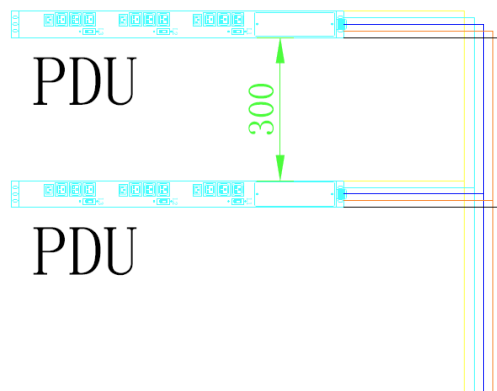
Circuit breaker

每个控制回路（热继电器下端）采用BVR-2.5mm²铜芯软导线接2台负压风机,一个断路器控制一个风机;

Bvr-2.5mm is adopted for each control loop (lower end of thermal relay) ² The copper core flexible conductor is connected to two negative pressure fans, and one fan is controlled by a circuit breaker;



PDU电路布置图 PDU Circuit layout



断路器 Circuit breaker
PDU电缆主接图

- 向线一 Line 1
- 向线二 Line 2
- 向线三 Line 3
- 零线 Zero line
- 接地线 Ground Wire

电流主接分配方式：三向五线制（三根向线、一根零线、一根接地）

Distribution mode of current main connection: three-way five-wire system (3 directional lines, 1 zero line and 1 grounding line)

1#XL动力柜主接线图

Main wiring diagram of 1#XL power cabinet

2#XL动力柜主接线图

Main wiring diagram of 2#XL power cabinet

要求 (按美国大津分地区): Requirements (per most areas of U.S.A):AA

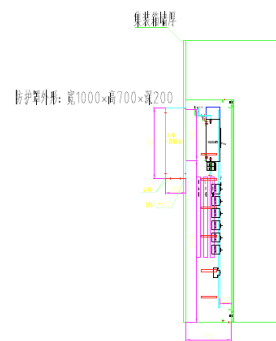
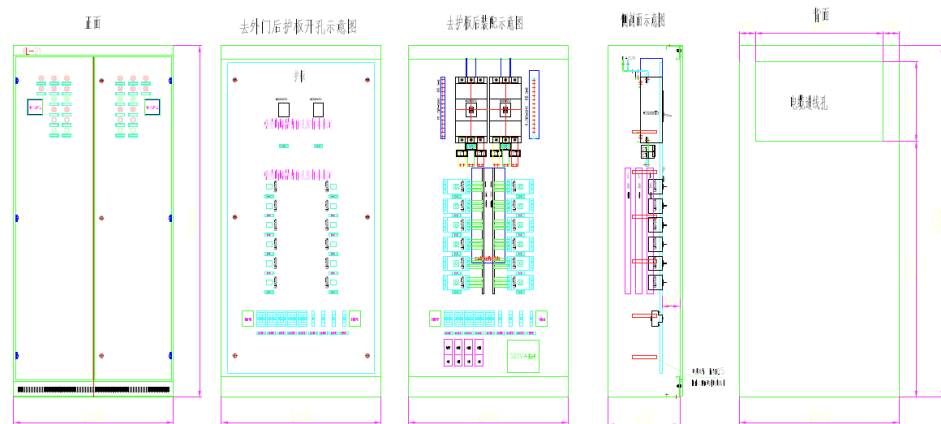
- 1、所有铜线穿热缩套管 A相-黑色, B相-红色, C相-蓝色, N相-白色或灰色, PE相-黄绿双色;
1、 All copper wires passing heat shrink sleeve, A phase - black, B phase- red, C phase- blue, N phase - white or gray, PE phase - dichroic of yellowish green ;
2、浪涌保护器回路和风机灯照明的三相回路按颜色配置;
2、 The surge protector loop and the three-phase loop of the fan and illumination are configured in phase color;
3、二次控制回路用黑色线。
3、 A black line is used for the secondary control loop.

说明: Notes:

- 1、本设备适用于美国北美地区，电压等级为：240/415V（适用于钨酸系列矿车使用），所有电缆穿热缩套管；
1. This equipment is used in North America, with the voltage level of 240/415V (applicable to the use of ant series miners).
- 2、柜体颜色：浅驼灰；Color of cabinet: light camel gray;
- 3、XL动力柜加护板，安装在集装箱前：
- XL power cabinet is added with shield: installed in the container;
- XL动力柜进线方式：经电缆由柜后中排下进线；
- XL power cabinet feed mode: feed the cable from the rear middle of the cabinet;
- XL动力柜出线方式：经电缆由柜前下出；
- XL power cabinet exit mode: exit the cabinet from the bottom through the cable;
- 4、数量：每台集装箱装动力柜2台； Quantity: 2 power cabinet per container;
- 5、出厂编号：Factory numbers.

12	信号灯Signal lamp	EX9-L-72 220/240V F	12	ULIN Certified	正压型防爆标志为 Ex d IIC T4 Used for illumination circuit	
13	信号灯Signal lamp	EX9-L-72 220/240V G	4	ULIN Certified		
11	信号灯Signal lamp	EX9-L-72 220/240V F	4	ULIN Certified		
10	按钮Button	EX9FE-A-72 300A IIC F	4	ULIN Certified		
9	按钮Button	EX9FE-A-72 300A IIC G	4	ULIN Certified		
8	热继电器Thermal relay	EJ9F36 6A 4 6A	4	ULIN Certified		
7	交流接触器+熔断器C contactor	EJ9C12 11 3P 220V	4	ULIN Certified		
6	微型断路器MCB circuit breaker	B1NSD10	4	ULIN Certified		
5	微型断路器MCB circuit breaker	MIS S0T3	12	ULIN Certified	正压型防爆标志为 Ex d IIC T4 Used for 2 x 1.1 bar negative pressure tank standby	
4	剩余电流动作保护器RCD	FE 3AS-VOM2-3IR	2	ULIN Certified		
3	智能照明控制单元intelligent digital dimmer module	here100 480/227V 5A 100W AC220V #FS14S	2	ULIN Certified		
2	漏电保护器Current tripping device	ECHV1-600 600/5 A/2	6	ULIN Certified		
1	微型断路器MCB circuit breaker	MIS S0T3	2	ULIN Certified		
变频器 功率柜#XU-L-72变频功率柜Equipment installed in #XU-L-72 power cabinet						
16	微型断路器MCB circuit breaker	B1N/C16	4	ULIN Certified		正压型防爆标志为 Ex d IIC T4 Used for illumination circuit
15	变压器Transformer	JCV-500VA 4/5/120V	1	ULIN Certified		
14	微型断路器MCB circuit breaker	B1NSC32	1	ULIN Certified		
13	信号灯Signal lamp	EX9-L-72 220/240V F	12	ULIN Certified	正压型防爆标志为 Ex d IIC T4 Used for 2 x 1.1 bar negative pressure tank standby	
12	信号灯Signal lamp	EX9-L-72 220/240V G	4	ULIN Certified		
11	信号灯Signal lamp	EX9-L-72 220/240V F	4	ULIN Certified		
10	按钮Button	EX9FE-A-72 300A IIC F	4	ULIN Certified		
9	按钮Button	EX9FE-A-72 300A IIC G	4	ULIN Certified		
8	热继电器Thermal relay	EJ9F36 6A 4 6A	4	ULIN Certified		
7	交流接触器+熔断器C contactor	EJ9C12 11 3P 220V	4	ULIN Certified		
6	微型断路器MCB circuit breaker	B1NSD10	4	ULIN Certified		
5	微型断路器MCB circuit breaker	MIS S0T3	12	ULIN Certified	正压型防爆标志为 Ex d IIC T4 Used for 2 x 1.1 bar negative pressure tank standby	
4	剩余电流动作保护器RCD	FE 3AS-VOM2-3IR	2	ULIN Certified		
3	智能照明控制单元intelligent digital dimmer module	here100 480/227V 5A 100W AC220V #FS14S	2	ULIN Certified		
2	漏电保护器Current tripping device	ECHV1-600 600/5 A/2	6	ULIN Certified		
1	微型断路器MCB circuit breaker	MIS S0T3	2	ULIN Certified		
变频器 功率柜#XU-L-72变频功率柜 Equipment installed in #XU-L-72 power cabinet						
#	名称Name	规格Specification model	数量Quantity	认证Certification		备注Remarks

1#XL动力柜示意图



2#XL动力柜示意图

