AC & DC INDUSTRIAL LOAD BANKS

AC380/480V-1600KW
Resistive Load Bank System

Product Overview

1. Introduction

AC380/480V-1600KW Resistive Load Bank. The system can accurately test output power and load capacity with all kinds of Generators, UPS and Main Electrical System parameters including the Dynamic Parameters Testing.

2. Technical Parameters

Technical Parameters	
Rating Voltage/Frequency	380/480VAC, 50/60Hz, 3 phase 4 Wire
Max Load Power	Resistive Load: 1600KW
Load Steps	RELIABILITY Standard or Customized as per End-User
Power Factor	1
Load Tolerance （each step）	±5%
Load Tolerance （overall）	±3%
Display Precision	0.5 class
Control Power Supply	3-Phase, 380/400V, 50/60Hz
Load Connection	Load Power Supply Input is connected to Input CB/bar Control power supply input – Connected Internally
Communication Interface	RS485,RS232 (options on request)
Insulation Class	F
Operating Mode	Continuous Working
Cooling	Forced Air cooling
Transportation	Lifting bolts on top of frame for hoisting
Chassis color	Gray
Dimensions (mm)	Approx. 2000㎜×2000㎜×2100㎜ （Depth *Width *Height）
Weight	Approx. 2500kg
Operating Environment Parameter	
Ambient Temperature	-10℃～+50℃
Relative Humidity	≤95%
Altitude	≤2500 meters
IP Rating	43
Installation	Indoor/Outdoor
Atmospheric Pressure	86～106kPa

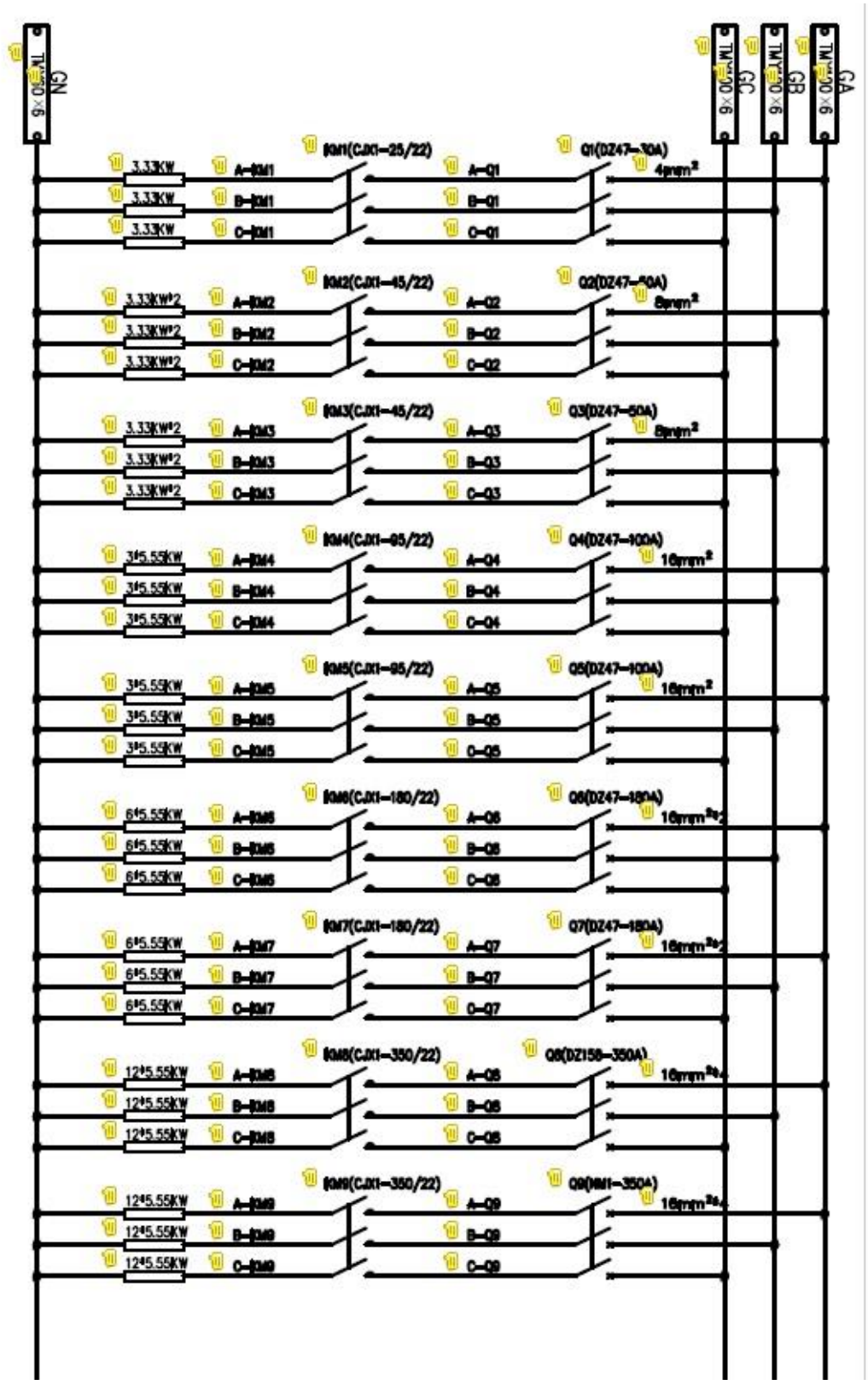
3. Measuring Control Function

--Load Testing: Load power within the rated power enables testing and displays stable state 3 phases voltage, current, active power, frequency etc of Generator/UPS System.
--Load/unload: Depending on options requested the Load can be connected thru manual control, remote control or software control. Load bank is loaded according to preset power to avoid load fluctuation.
--Control Pattern: user can choose local control or intelligent/remote control.
--Local Control: Local control panel enables power steps; user can load/unload by push-buttons.
--Intelligent Control (option): Through data processing software in PC, user can make automatic load, to display, record and manage the testing data, to form curves, tables and also can print them.
--Local meter display data: local meter can display 3 phases voltage, current, active power, frequency and so on.

4. Protection

--Emergency stop: you can press the Emergency Stop switch in the panel, when the load bank is locked in this state, it cannot add any load.
--Overvoltage protection: If input voltage is over the safe value, the controls will automatically disconnect the load.

--Short circuit protection: In case of a short circuit, the protective CB disconnects the Load Bank from connected power.
--Overheating protection: If the Load bank temperature exceeds the safe value, the control system automatically disconnects and fault lamp is lighted. It resets automatically when temperature is within the limits.
--Fan interlock protection: In order to protect the Load bank, the load bank cannot be operated if fan is not working.


TMY-30×6 GN
TMY-30×6 GC
TMY-30×6 GB
TMY-30×6 GA
KM1(CJX1-25/22)
Q1(DZ47-32A)
3.33KW
A-KM1
B-KM1
C-KM1
A-Q1
B-Q1
C-Q1
4mm²
KM2(CJX1-45/22)
Q2(DZ47-50A)
3.33KW*2
A-KM2
B-KM2
C-KM2
A-Q2
B-Q2
C-Q2
6mm²
KM3(CJX1-45/22)
Q3(DZ47-50A)
3.33KW*2
A-KM3
B-KM3
C-KM3
A-Q3
B-Q3
C-Q3
6mm²
KM4(CJX1-95/22)
Q4(DZ47-100A)
3*5.55KW
A-KM4
B-KM4
C-KM4
A-Q4
B-Q4
C-Q4
16mm²
KM5(CJX1-95/22)
Q5(DZ47-100A)
3*5.55KW
A-KM5
B-KM5
C-KM5
A-Q5
B-Q5
C-Q5
16mm²
KM6(CJX1-180/22)
Q6(DZ47-180A)
6*5.55KW
A-KM6
B-KM6
C-KM6
A-Q6
B-Q6
C-Q6
16mm²*2
KM7(CJX1-180/22)
Q7(DZ47-180A)
6*5.55KW
A-KM7
B-KM7
C-KM7
A-Q7
B-Q7
C-Q7
16mm²*2
KM8(CJX1-350/22)
Q8(DZ158-350A)
12*5.55KW
A-KM8
B-KM8
C-KM8
A-Q8
B-Q8
C-Q8
16mm²*4
KM9(CJX1-350/22)
Q9(NM1-350A)
12*5.55KW
A-KM9
B-KM9
C-KM9
A-Q9
B-Q9
C-Q9
16mm²*4

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