Canroon

CV800 Series Multi - Function Vector Control Inverter

1. Technical Index and Specification

Input	Rated Voltage, Frequency	3-phase /4T 380V, 47~63Hz; 1-phase / 2S 220V, 47~63Hz
	Allowed Voltage Range	3-phase /4T 320V~480V; 1-phase / 2S 160V~260V
	Voltage	4T: 0~480V
Output		2S: 0~260V
	Frequency	0~400 Hz
	Overload Capacity	150% for long-term; 150% for 1 min; 180% for 5s

Control Mode: V/F Control; Advanced V/F Control / Simple vector control / Advanced vector control / Torque control

Control Character		
Frequency Setting Resolution	Analog Setting	0.1% of maximum running frequency
	Digital Setting	0.1Hz
Frequency Precision	Analog Input	Within 0.2% of maximum running frequency
	Digital Setting	Within 0.01% of set running frequency

2. Installation and wiring

2.1 Installation Precautions

⚠ DANGER

1. Ensure the power has been cut off before wiring. Electric shock and fire hazard.
2. Ask electric engineering professionals to conduct wiring. Electric shock and fire hazard.
3. Earth terminals must be reliably grounded. (380V class: especially the third grounding) Electric shock and fire hazard.
4. Injury risk by improper operation.

⚠ CAUTION

1. Check the voltage of power inlet wire agrees with rated voltage of VFD. Injury and fire hazard.

2.2 Outline

a. Appearance and Dimension of Keypad

b. Inverter model description:

CV800 - 094G - 14TF

3. Communication Protocol

3.1 RTU Mode and Format

When controller communicates via Modbus in RTU mode, each byte is divided into 2 hexadecimal characters of 4 bits.

Function Code	Function Description
03	Read registers
06	Write register

4. Abnormal Phenomena Solution

5. Function Parameter Table

NOTE:
- "○" — Modifiable parameter under any condition
- "×" — Not modifiable parameter under run-status
- "◆" — The actual detected parameter, not modifiable
- "*" — Factory parameter, only modifiable for factory, not allowed for users modifying

F0 Group – Basic Run Parameters

Func-tion Code	Name	Content	Set Range	Factory Setting	Modi-fication
F0.00	VFD power specification	VFD power specification	0.10 ~ 99.99KW	Model setting	×
F0.01	Master controller software version	Master controller software version	1.00 ~ 99.99	1.00	◆
F0.02	Run command channel	Run command channel selection	0~2	0	×
F0.03	Frequency selection		0~8	0	×

Warranty Card

Product Information:

Product Name: ____

Model Type: ____

Purchase Date: ____

Customer Name: ____

Customer Address: ____

Contact Number: ____

Certificate

Inspector: QC 001

Test Date: ____

The product is inspected according to the standard.