

PF.03～PF.10	Reserve	-	-	-	*
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B—Monitor function parameters

Code	Name	Description	Unit	Default setting	Note
b-00	Output frequency	Present output frequency	0.01Hz		*
b-01	Reference frequency	Present reference frequency	0.01Hz		*
b-02	Output voltage	Valid value of present output voltage	1V		*
b-03	Output current	Valid value of present output current	0.1A		*
b-04	Bus voltage	Present DC bus voltage	1V		*
b-05	Module temperature	IGBT Temperature of heatsink	10C		*
b-06	Motor overload speed	Current speed of motor	1r/min		*
b-07	Operating time	One continues operating time of inverter	1hour		*
b-08	Input/output terminal's status	Digital input/output terminal's status	—		*
b-10	Analog input C1	Value of analog input C1	0.01V		*
b-11	External pulse input	Input value of external pulse range	1ms		*
b-12	Inverter rated current	Inverter rated current	0.1A		*
b-13	Inverter rated voltage	Inverter rated voltage	1V		*
b-14	Display without unit	Display without unit	1		*
b-15	Inverter power class	Inverter power class	-		*
b-16	Display present counter value	Display present counter value	-		*
b-17	Reserve	-	-		*
b-18	Reserve	-	-		*
b-40	Reserve	-	-		*

7 Communication parameter

Name	Address	Function	
Internal parameters setting	GGnnH	GG means parameter group NO., nn means parameters NO.	
Command to inverter (06H)	2000H	0001H:Run command (forward)	
		0002H:Forward running command	
		0003H:Reverse running command	
		0004H:Jog command(forward)	
		0005H: Jog forward running command	
		0006H: Jog reverse running command	
		0007H:Dec to a stop	
		0008H: Emergency stop command	
		0009H: Jog stop command	
		000AH: Fault reset command	
		2001H	Frequency command setting via port
		2100H	Read Inverter's alarm code
Monitoring status (03H)	2101H	Read Inverter's status	
		BIT0: Stop indicates, 0: stop, 1: run	
		BIT1: Under-voltage indication, 1: under-voltage, 0: normal	
		BIT2: Forward/reverse indicate, 1: Reverse, 0: forward	
		BIT3: Forward/reverse indicate, 1: Jog, 0: none	
		BIT4: Close loop control selection, 1: close loop, 0: none	
		BIT5: wobble mode running flag, 1: traverse, 0: none	
		BIT6: PLC running flag, 1: PLC running, 0: none	
		BIT7: Multi-speed running flag of terminals 1: Multi-speed, 0: None	
		BIT8: Common running flag 1: run as normal, 0: none	
		BIT9: Main frequency from communication interface, 1: yes, 0: no	
		BIT10: Main frequency from analog input, 1: yes, 0: no	
		BIT11: Running command from communication interface 1: yes, 0: no	
		BIT12: Password protection for parameters, 1: yes, 0: no	
	2102H	Read inverter's reference frequency	
		2103H	Read inverter's output frequency
		2104H	Read inverter's output current
		2105H	Read inverter's bus voltage
		2106H	Read inverter's output voltage
		2107H	Read motor's speed
		2108H	Read module temperature
		2109H	Read analog input via V1
		210AH	Read analog input via C1
		210BH	Read inverter's software version
		210CH	I/O terminal status
			Bit0: X1
			Bit1: X2
			Bit2: X3
Bit6: FWD			
Bit7: REV			
Bit9: relay output			
Read data from function code (03H)	GGnnH (GG: Group No. of function code, mn :function code)	Inverter responses to the data, When use Modbus address, the nn must be turned into hex	
Write data to function code (06H)	GGnnH (GG: Group No. of function code, mn :function code)	Data be wrote in the inverter, When use Modbus address, the nn must be turned into hex.	

Take the following as examples:

Read function code P1.02
01H, 03H, 01H, 02H, 00H, 01H, CRC1, CRC2
Read the reference frequency of inverter
01H, 03H, 21H, 02H, 00H, 01H, CRC1, CRC2
Write function code P1.02 with value 1
01H, 06H, 01H, 02H, 00H, 01H, CRC1, CRC2
Running command
01H, 06H, 20H, 00H, 00H, 01H, CRC1, CRC2

Definition of fault code

Fault code	Instruction
01H	Fault function code, Inverter can not find 03H, 06H, 08H.
02H	Fault data address, Inverter can not find data address
03H	Fault data, data over the limit

Note: The parameter address must be in hex format, as the function codes of parameters are in decimal system, so make sure turn them to hex format. For example, the Modbus address of function code P2.11 is 020BH.