

Category	Code	Function	Set Range & Function Explanation	Factory Setting
Basic Parameters	PD000	Parameter Lock	0: Invalid 1: Valid	0
	PD001	Source of Run Commands	0: Operator 1: External terminal 2: Communication port	0
	PD002	Source of Operating Frequency	0: Operator 1: External terminal 2: Communication port	0
	PD003	Main Frequency	0.00~400.00 Hz	0.00
	PD004	Base Frequency	0.01~400.00 Hz	50.00
	PD005	Max Operating Frequency	50.00~400.00 Hz	50.00
	PD006	Intermediate Frequency	0.01~400.00 Hz	2.50/3.0
	PD007	Min. Frequency	0.01~20.00 Hz	0.50
	PD008	Max. Voltage	0.1V—*	220/380
	PD009	Intermediate Voltage	0.1V—*	*
	PD010	Min. Voltage	0.1~50.0V	*
	PD011	Frequency Lower Limit	0.00~400.00 Hz	0.00
	PD012	Reserved		
	PD013	Parameter Reset	00~10 08: Restore the factory setting. No other function.	00
	PD014	Accel. Time 1	0.1~6500.0S	*
	PD015	Decel. Time 1	0.1~6500.0S	*

	PD016	Accel. Time 2	0.1~6500.0S	*
	PD017	Decel. Time 2	0.1~6500.0S	*
	PD018	Accel. Time 3	0.1~6500.0S	*
	PD019	Decel. Time 3	0.1~6500.0S	*
	PD020	Accel. Time 4	0.1~6500.0S	*
	PD021	Decel. Time 4	0.1~6500.0S	*
	PD022	Reserved		
	PD023	Rev. Rotation Select	0: Rev Run forbidden; 1: Rev Run Enable	1
	PD024	STOP key select	0: STOP Invalid 1: STOP Valid	1
	PD025	Starting Mode	0: Start from Starting Frequency 1: Frequency track start	0
	PD026	Stopping Mode	0: Decelerating stop 1: Coasting stop	0
	PD027	Starting Frequency	0.1~10.0 Hz	0.5
	PD028	Stopping Frequency	0.1~10.0 Hz	0.5
	PD031	DC Braking level	0.0~20.0%	2.0
	PD029	DC Braking time at start	0.0~25.0S	0.0
	PD030	DC Braking time at stop	0.0~25.0S	0.0
	PD032	DC Braking time at stop	0.0~20.0S	5.0
	PD033	Frequency track time Current level for frequency track	0~200%	150
	PD034	Voltage rise time during frequency track		0.5
	PD035- PD040	Reserved		
	PD041	Carrier frequency	0~15	*
	PD042	Jogging Frequency	0.00~400.00 Hz	5.00
	PD043	S-Curve Time	0~6500S	0
	*PD044	Multi-input 1(FOR)	0: Invalid; 1:Run; 2: For rotation; 3: Rev rotation; 4: Stop; 5: FOR/REV.; 6: Jog; 7: Jog For rotation; 8: Jog Rev Rotation; 9: Emergent stop; 10: Reset; 11:Reserved; 12: Overheat of heat sink or motor; 17: High speed; Middle speed; 19: Low speed; 20: Multi-speed 1; 21: Multi-speed 2; 22: Multi-speed 3; 23: Ramp select 1; 24: Ramp select 2; 25: UP function; 26: DOWN	02
	*PD045	Multi-input 2(REV)		03
	*PD046	Multi-input 3(RST)		14
	*PD047	Multi-input 4(SPH)		22
	*PD048	Multi-input 5(SPM)		23
	*PD049	Multi-input 6(SPL)		24

			function; 27: Counter 28: Counter reset; 29: Drawing; 32: PID Start	
	*PD050	Multi-output 1(DRV)	0: Invalid; 1: Run; 2: Fault indication; 3: Zero Speed; 4: Braking indication; 5: Set Frequency reach; 6: Arbitrary Frequency 1 reach;	01
	*PD051	Multi-output 2(UPF)		05
	*PD052	Multi-output 3(Terminals of FA,FB,FC)		02
	*PD053	Multi-output 4(Terminals of KA,KB)	7: Arbitrary Frequency 2 reach; 8: In Accel.; 9: In Decel.; 10: Inverter Overload alarm; 11: Motor Overload alarm; 12: Over-torque alarm; 13: Low voltage alarm; 14: Single stage end indication; 15: Process end indication; 16: Counter reach; 27: Drawing reach; 28:PID lower limit alarm; 29: PID upper limit alarm; 30: Fan act; 31: Reserved; 32: Braking resistor act	00
	PD054	Multi-output 5(AM)	Output of digital frequency signals	0
	PD055	AM Analog output Gain	0.0~100.0%	100
	PD056	Skip Frequency 1	0.00~400.00 Hz	0.00
	PD057	Skip Frequency 2	0.00~400.00 Hz	0.00
	PD058	Skip Frequency 3	0.00~400.00 Hz	0.00
	PD059	Skip Frequency Range	0.00~2.00 Hz	0.5
	PD060	Uniform Frequency 1	0.00~400.00 Hz	0.00
	PD061	Uniform Frequency 2	0.00~400.00 Hz	0.00
	PD062	Uniform Frequency Range	0.10~10.00 Hz	0.50
	PD063	Timer 1 time	0~10.0	0.01
	PD064	Timer 2 time	0~100	0.01
	PD065	Counting value set	00~65500	00
	PD066	Intermediate Counter	0~65500	0
	PD067- PD069	Reserved		
Appl icabl e	PD070	Analog Input	0~10	0
	PD071	Analog Filtering Constant	0~50	20

Parameters		Lower Analog	0.00~400.00 Hz	0
	PD073	Frequency Bias	0: Positive direction 1: Negative direction	0
	PD075	Direction at Lower Frequency	0.00~400.00 Hz	50.00
	PD072	Higher Analog	0: Positive direction 1: Negative direction	0
	PD074	Frequency Bias Direction at Higher Frequency		
	PD076	Analog Negative Bias Reverse	0: Not allowable. 1: Allowable.	0
	PD077	Up/Down Function	0: Not memorized 1: Memorized	1
	PD078	Up/Down Speed	0: 0.01HZ 1: 0.1HZ	0
	PD079	Reserved		
	PD080	PLC Operation	0: Normal run; 1: External control 4-speed; 2: External control multi-speed; 3: Disturbance; 4: Internal control multi-speed; 5: Drawing	0
	PD081	AutoPLC	0: Stop after running for one cycle; 1: Cycling run; 2: Auto stop after running for one cycle (STOP for intervention); 3: Auto Run and Cycling (STOP for intervention)	0
	PD082	PLC rotation Direction	0~255 (0: For 1: Rev)	0
	PD083		0~255 (0: For 1: Rev)	
	PD084	PLC Ramp Time	0~65535	0
	PD085		0~65535	
	PD086	Frequency 2	0.00-400.00 Hz	15.00
	PD087	Frequency 3	0.00-400.00 Hz	20.00
	PD088	Frequency 4	0.00-400.00 Hz	25.00
	PD089	Frequency 5	0.00-400.00 Hz	30.00
	PD090	Frequency 6	0.00-400.00 Hz	35.00
	PD091	Frequency 7	0.00-400.00 Hz	40.00
	PD092	Frequency 8	0.00-400.00 Hz	0.50
	PD093	Frequency 9	0.00-400.00 Hz	10.00
	PD094	Frequency 10	0.00-400.00 Hz	15.00
	PD095	Frequency 11	0.00-400.00 Hz	20.00
	PD096	Frequency 12	0.00-400.00 Hz	25.00
	PD097	Frequency 13	0.00-400.00 Hz	30.00
	PD098	Frequency 14	0.00-400.00 Hz	35.00
	PD099	Frequency 15	0.00-400.00 Hz	40.00
	PD100	Frequency 16	0.00-400.00 Hz	45.00

	PD101	Timer 1	0.0-6500.0S	10.0
	PD102	Timer 2	0.0-6500.0S	10.0
	PD103	Timer 3	0.0-6500.0S	0.0
	PD104	Timer 4	0.0-6500.0S	0.0
	PD105	Timer 5	0.0-6500.0S	0.0
	PD106	Timer 6	0.0-6500.0S	0.0
	PD107	Timer 7	0.0-6500.0S	0.0
	PD108	Timer 8	0.0-6500.0S	0.0
	PD109	Timer 9*	0.0-6500.0S	0.0
	PD110	Timer 10	0.0-6500.0S	0.0
	PD111	Timer 11	0.0-6500.0S	0.0
	PD112	Timer 12	0.0-6500.0S	0.0
	PD113	Timer 13	0.0-6500.0S	0.0
	PD114	Timer 14	0.0-6500.0S	0.0
	PD115	Timer 15	0.0-6500.0S	0.0
	PD116	Timer 16	0.0-6500.0S	0.0
Cate gory	Code	Functions	Set Range & Function Explanation	Factory Setting
	PD117	AutoPLC Memory	0~1	0
	PD118	Over-voltage Stall	0: Invalid 1: Valid	1
	PD119	Prevention		
	PD120	Stall Prevention Level	0~200%	150
		at Accel.	0~200%	0
	PD122	Stall Prevention Level		
		at Constant Speed	0~200%	150
		Stall Prevention Level		
		at Decel.		
	PD123	Over-torque Detect Mode	0~3	0
	PD124	Over-torque Detect	0~200%	0
	PD125	Level	0.1~20.0S	1.0
		Over-torque Detect Time		
	PD127- PD129	Reserved		
	PD130	Number of Auxiliary Pump	0~2	0
	PD131	Continuous Operating	1~9000mim	1

		Time of Aux. Pumps		
	PD132	Interlocking Time of Aux. Pumps	1~250s	5s
	PD133	High Speed Running Time	1~250s	60s
	PD134	Low Speed Running Time	1~250s	60s
	PD135	Stopping Voltage Level	1~150%	95%
	PD136	Lasting Time of Stopping Voltage Level	1~250s	30s
	PD137	Wakeup Level	1~150%	80%
	PD138	Sleep Frequency	0.00~400.0	20.00
	PD139	Lasting Time of Sleep Frequency	1~250s	20s
	PD140	Reserved		
	PD141	Rated Motor Voltage	Set according to Motor nameplate	*
	PD142	Rated Motor Current	Set according to Motor nameplate 02—10 00—9999	*
	PD143	Motor pole number.		04
	PD144	Rated Motor Revolution		1440
	PD145	Auto Torque Compensation	0.1—10.0 %	2.0%
	PD146	Motor no-load current	0—99	40
	PD147	Motor slip compensation	0.0—10.0	0.0
	PD148- PD149	Reserved		
	PD153	Restart after Instantaneous Stop	0: Invalid 1: Frequency track 0.1~5.0S	0
	PD154		0—10	0.5
	PD155	Allowable Power-	0: Invalid 1: Valid	00
	PD150	Breakdown Time	0~10%	1
	PD151	Number of Abnormal Restart		0
		Auto Voltage Regulation		
		Auto Energy Saving		
	PD156	Proportional Constant	0.0~1000.00%	100%
	PD157	(P)	0.1~3600.00S	5.0
	PD158	Integral Time (I)	0.01~10.00S	0

	PD159	Differential Time (D)	0.0~100.0%	0
	PD160	Target value	0: set by the operator 1: set by	0
		Target value select	external terminals (0-10V)	
	PD161		0~100%	100%
	PD162	PID upper limit	0~100%	0%
		PID lower limit		
	PD163	Communication	0-250	0
		Addresses		
	PD164	Communication Baud	0-3	1
	PD165	Rate	0-5	0
		Communication Data		
		Method		
	PD170	Display Items	0-5	0
	PD171	Display Items Open	0-7	0
	PD166	Voltage Rating of	Set according to the model	*
		Inverter		*
	PD174	Rated Current of	Set according to the model	
		Inverter		
	PD181	Software Version		*
	PD177	Fault Record 1		—
	PD178	Fault Record 2	Note: — means no fault record.	—
	PD179	Fault Record 3		—
	PD180	Fault Record 4		—
	PD172	Fault Clear	00—10 (01 for Fault Clear)	00
	PD175	Inverter Model		
	PD176	Inverter Frequency	0: 50Hz 1: 60Hz	0
		Standard		
	PD182	Manufacture Date	Year: Month: Week	*
	PD183	Serial No.		*

### . Descriptions of Functions

PD000 Parameter Lock	**
Set Range: 0—1	Unit: 1 Factory Setting: 0

0: Invalid.

1: Valid, i.e. the parameters are locked. Except this parameter other parameters can **not** be changed.

This parameter is set to prevent non-maintenance personnel from setting other parameters by mistake. After the parameters are locked the operating frequency can be changed by pressing  $\Delta$  or  $\nabla$ .

PD001 Source of Operation Commands
Set Range: 0—2 Unit: 1 Factory Setting: 0