



# Quick Start Guide-TEC Drive TDI20-EU

## 1 Safety precautions

- Do not refit the inverter unauthorizely; otherwise fire, electric shock or other injury may occur.
- Please install the inverter on fire-retardant material and keep the inverter away from combustible materials.
- Connect the braking optional parts according to the wiring diagram.
- Do not operate on the inverter if there is any damage or components loss to the inverter.
- Do not touch the inverter with wet items or body, otherwise electric shock may occur.

- Only qualified electricians are allowed to operate on the inverter.
- Do not carry out any wiring and inspection or changing components when the power supply is applied. Ensure all input power supply is disconnected before wiring and checking and always wait for at least the time designated on the inverter or until the DC bus voltage is less than 36V. Below is the table of the waiting time:

Inverter model	Minimum waiting time
1PH 220V 0.4kW-2.2kW	5 minutes
3PH 220V 0.4kW-7.5kW	5 minutes
3PH 380V 0.75kW-110kW	5 minutes

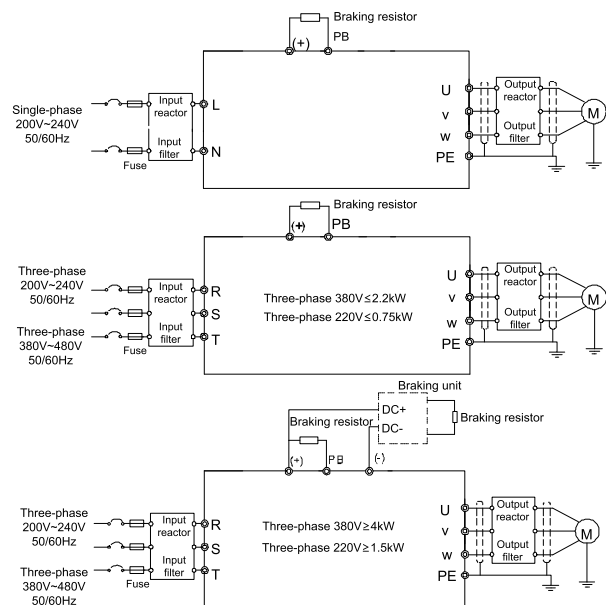
## 2 Type designation key

**TDI20 - 2R2G - 4 - B - EU**

Key	No.	Instruction	Content
Product abbreviation	①	Abbreviation for product series	TDI20: TDI20 is short for TEC Drive Industrial TDI20-EU
Rated power	②	Power range + load type	055: 55kW; G: Constant torque load
Voltage degree	③	Voltage degree	S2: 1PH 220V (-15%)V - 240V (+10%) 2: 3PH 220V (-15%)V - 240V (+10%) 4: 3PH 380V (-15%)V - 440V (+10%)
Additional remark 1	④	Built-in braking unit	Null: Built-in braking unit is standard configuration for models $\leq 37kW$ -B Built-in braking unit is optional for models $\geq 45kW$ . -B is its built-in braking unit model
Additional remark 2	⑤		EU: Built-in safe torque off function

## 3 Standard wiring

### 3.1 Main circuit

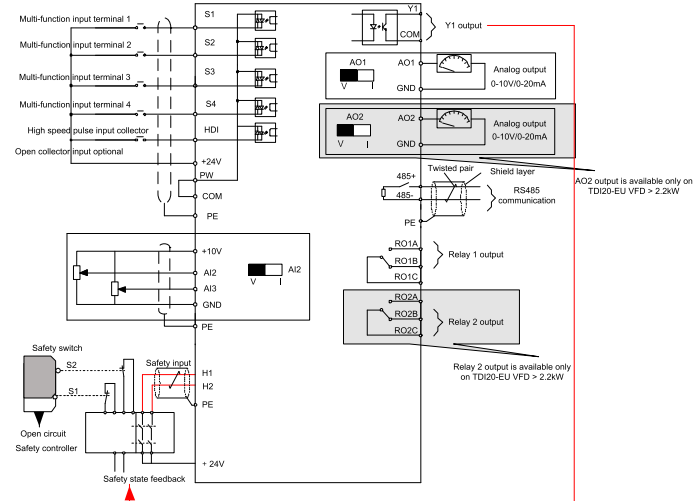


Terminal	Function
L, N	Single phase AC input terminals which are generally connected with the power supply.
R, S, T	Three phase AC input terminals which are generally connected with the power supply.
PB, (+)	External dynamic braking resistor terminal
(+), (-)	Input terminal of the DBU or DC bus
U, V, W	Three phase AC input terminals which are generally connected with the motor.
PE	Protective grounding terminal

### Note:

- Do not use asymmetrically motor cables. If there is a symmetrically grounding conductor in the motor cable in addition to the conductive shield, connect the grounding conductor to the grounding terminal at the inverter and motor ends.
- Route the motor cable, input power cable and control cables separately.

### 3.2 Control circuit



### 3.3 Terminals of control circuit

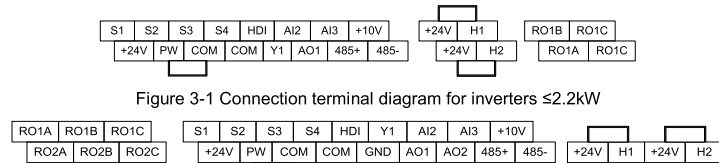


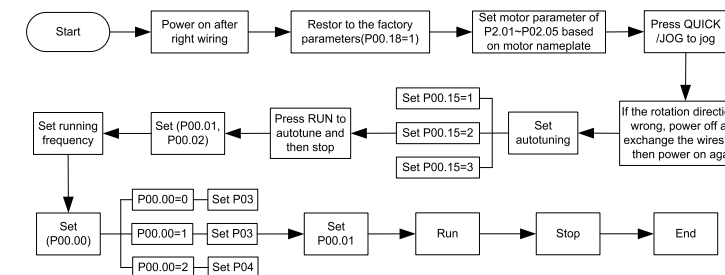
Figure 3-1 Connection terminal diagram for inverters  $\leq 2.2kW$

Figure 3-2 Connection terminal diagram for inverters  $\geq 4kW$

Type	Terminal name	Function description	Technical specifications
Communication	485+	485 communication	485 communication interface
	485-		
Digital input/output	S1	Digital input	1. Internal impedance: 3.3k $\Omega$ 2. 12 - 30V voltage input is available 3. The terminal is the dual-direction input terminal 4. Max input frequency: 1kHz
	S2		
	S3		
	S4		
STO function input	HDI	High frequency input channel	Except for S1 - S4, this terminal can be used as high frequency input channel. Max input frequency: 50kHz Duty cycle: 30% - 70%
	PW	Digital power supply	To provide the external digital power supply Voltage range: 12 - 30V
	Y1	Digital output	1. Contact capacity: 50mA/30V; 2. Output frequency range: 0 - 1kHz; 3. Default is STO state output indicator.
24V power supply	24V-H1	STO input 1	1. Safe torque stop (STO) redundant input, externally connected to NC contact, STO acts when the contact is open, and the drive stops output; 2. The safe input signal cable should be shield cable within 25m. 3. When employing STO function, please disassemble the short circuit plate on the terminals shown in Figure 3-1 and Figure 3-2.
	24V-H2	STO input 2	
24V power supply	+24V	24V power supply	External 24V $\pm 10\%$ power supply and the maximum output current is 200mA. Generally used as the operation power supply of digital input and output or external sensor power supply
	COM		
Analog input/output	+10V	External 10V reference power supply	10V reference power supply Max output current: 50mA As the adjusting power supply of the external potentiometer Potentiometer resistance: 5k $\Omega$ above
	AI2	Analog input	1. Input range: AI2 voltage and current can be chose: 0 - 10V/0 - 20mA; AI3: -10V - +10V. 2. Input impedance: voltage input: 20k $\Omega$ ; current input: 500 $\Omega$ . 3. Voltage or current input can be set by DIP switch. 4. Resolution: the minimum AI2/AI3 is 10mV/20mV when 10V corresponds to 50Hz.
	AI3		

Type	Terminal name	Function description	Technical specifications
	GND	Analog reference ground	Analog reference ground
	AO1	Analog output	1. Output range: 0 - 10V voltage or 0 - 20mA current; 2. Voltage or current output is set by jumpers or toggle switch; 3. Error $\pm 1\%$ , 25°C; 4. There is only one AO1 for inverters $\leq 2.2kW$ .
AO2			
Relay output	RO1A	Relay 1 NO contact	1. Contact capacity: 3A/AC250V, 1A/DC30V; 2. Please note that it should not be used as high frequency switch output; 3. There is only one relay output for inverters $\leq 2.2kW$ .
	RO1B	Relay 1 NC contact	
	RO1C	Relay 1 common contact	
	RO2A	Relay 2 NO contact	
	RO2B	Relay 2 NC contact	
	RO2C	Relay 2 common contact	

## 4 Diagram of quick start-up



## 5 Parameters setting

○: The parameter setting can be modified in both stopped and running states.

⊙: The parameter setting cannot be modified in running state.

●: The parameter setting is the actually detected value and cannot be modified.

The inverter automatically checks and constrains the modification of parameters, helping prevent incorrect modifications.

Function code	Name	Detailed instruction of parameters	Default value	Modify
<b>P00 Group Basic function group</b>				
P00.00	Speed control mode	0: SVC 0 1: SVC 1 2: SVPWM control	1	⊙
P00.01	Run command channel	0: Keypad running command channel 1: Terminal running command channel 2: Communication running command channel	0	○
P00.03	Max. output frequency	P00.04-400.00Hz	50.00 Hz	⊙
P00.04	Upper limit of the running frequency	P00.05-P00.03 (Max. output frequency)	50.00 Hz	⊙
P00.05	Lower limit of the running frequency	0.00Hz-P00.04 (Upper limit of the running frequency)	0.00Hz	⊙
P00.06	A frequency command selection	0: Keypad data setting 1: Analog AI1 setting (corresponding keypad potentiometer) 2: Analog AI2 setting (corresponding terminal AI2) 3: Analog AI3 setting (corresponding terminal AI3) 4: High-speed pulse HDI setting 5: Simple PLC program setting 6: Multi-step speed running setting 7: PID control setting 8: MODBUS communication setting	0	○
P00.07	B frequency command selection	0: Maximum output frequency, 1: A frequency command,	2	○
P00.08	B frequency command reference selection	0: A 1: B 2: A+B 3: A-B 4: Max (A, B) 5: Min (A, B)	0	○
P00.09	Combination of the setting source	0: No operation 1: Rotation autotuning 2: Static autotuning 1 (autotune totally) 3: Static autotuning 2 (autotune part parameters)	0	⊙
P00.10	Keypad set frequency	0.00 Hz-P00.03 (the Max. frequency)	50.00Hz	○
P00.11	ACC time 1	Setting range of P00.11 and P00.12: 0.0-3600.0s	Depend on model	○
P00.12	DEC time 1			
P00.13	Running direction selection	0: Runs at the default direction 1: Runs at the opposite direction 2: Forbid to run in reverse direction	0	○
P00.14	Carrier frequency setting	1.0-15.0kHz	Depend on model	○
P00.15	Motor parameter autotuning	0: No operation 1: Rotation autotuning 2: Static autotuning 1 (autotune totally) 3: Static autotuning 2 (autotune part parameters)	0	⊙

Function code	Name	Detailed instruction of parameters	Default value	Modify
P00.16	AVR function selection	0: Invalid 1: Valid during the whole procedure	1	○
P00.18	Function restore parameter	0: No operation 1: Restore the default value 2: Clear fault records 3: Lock all function codes	0	⊙
<b>P01 Group Start-up and stop control</b>				
P01.00	Start mode	0: Start-up directly 1: Start-up after DC braking 2: Start after speed tracking 1 3: Start after speed tracking 2	0	⊙
P01.08	Stop selection	0: Decelerate to stop 1: Coast to stop	0	○
P01.09	Starting frequency of DC braking	Setting range of P01.09: 0.00Hz-P00.03 (the Max. frequency)	0.00Hz	○
P01.10	Waiting time before DC braking	Setting range of P01.10: 0.00-50.00s	0.00s	○
P01.11	DC braking current	Setting range of P01.11: 0.0-100.0%	0.0%	○
P01.12	DC braking time	Setting range of P01.12: 0.00-50.00s	0.00s	○
P01.18	Terminal running protection selection when powering on	0: The terminal running command is invalid when powering on. 1: The terminal running command is valid when powering on.	0	○
<b>P02 Group Motor 1</b>				
P02.01	Rated power of asynchronous motor	0.1-3000.0kW	Depend on model	⊙
P02.02	Rated frequency of asynchronous motor	0.01Hz-P00.03	50.00Hz	⊙
P02.03	Rated speed of asynchronous motor	1-3600rpm		⊙
P02.04	Rated voltage of asynchronous motor	0-1200V	Depend on model	⊙
P02.05	Rated current of asynchronous motor	0.8-6000.0A		⊙
P02.26	Motor overload protection selection	0: No protection 1: Common motor (with low speed compensation). 2: Frequency conversion motor (without low speed compensation).	2	⊙
P02.27	Motor overload protection coefficient	Times of motor overload M = Iout/(In*K) Setting range: 20.0%-120.0%	100.0%	○
P02.28	Correction coefficient of motor 1 power	0.00-3.00	1.00	○
<b>P03 Group Vector control</b>				
P03.00	Speed loop proportional gain1		20.0	○
P03.01	Speed loop integral time1	Setting range of P03.00 and P03.03:	0.200s	○
P03.02	Low switching frequency	Setting range of P03.01 and P03.04:	5.00Hz	○
P03.03	Speed loop proportional gain 2	0.000-10.000s	20.0	○
P03.04	Speed loop integral time 2	Setting range of P03.02: 0.00Hz-P00.05	0.200s	○
P03.05	High switching frequency	Setting range of P03.05: P03.02-P00.03	10.00Hz	○
P03.06	Speed loop output filter	0-8 ( corresponds to 0-2 <sup>8</sup> /10ms)	0	○
P03.07	Compensation coefficient of vector control electromotion slip	50%-200%	100%	○
P03.08	Compensation coefficient of vector control brake slip		100%	○
P03.09	Current loop percentage coefficient P	0-65535	1000	○
P03.10	Current loop integral coefficient I		1000	○
P03.11	Torque setting method	0: Torque control is invalid 1: Keypad setting torque (P03.12) 2: Analog AI1 setting torque 3: Analog AI2 setting torque 4: Analog AI3 setting torque 5: Pulse frequency HDI setting torque 6: Multi-step torque setting 7: MODBUS communication setting torque	0	○
<b>P04 Group SVPWM control</b>				
P04.00	V/F curve setting	1: Multi-dots V/F curve 2: Torque down V/F curve (power of 1.3) 3: Torque down V/F curve (power of 1.7) 4: Torque down V/F curve (power of 2.0) 5: Customized V/F (V/F separation)	0	⊙

Function code	Name	Detailed instruction of parameters	Default value	Modify
P04.01	Torque boost	The setting range of P04.01: 0.0%:(automatic), 0.1%~10.0%	0.0%	○
P04.02	Torque boost close	The setting range of P04.02: 0.0%~50.0%	20.0%	○
P04.03	V/F frequency point 1	Setting range of P04.03: 0.00Hz~P04.05	0.00Hz	○
P04.04	V/F voltage point 1	Setting range of P04.04, P04.06 and P04.08: 0.0%~110.0% (rated motor voltage)	0.0%	○
P04.05	V/F frequency point 2	Setting range of P04.05:P04.03~ P04.07	0.0%	○
P04.06	V/F voltage point 2	Setting range of P04.07: P04.05~P02.02 (rated motor voltage frequency)	0.0%	○
P04.07	V/F frequency point 3		0.0%	○
P04.08	V/F voltage point 3		0.0%	○
P04.09	V/F slip compensation gain	$\Delta f = f_r - n \cdot p / 60$ Setting range:0.0~200.0%	100.0%	○
P04.10	Low frequency vibration control factor	Setting range of P04.10: 0~100	10	○
P04.11	High frequency vibration control factor	Setting range of P04.11: 0~100 Setting range of P04.12: 0.00Hz~P00.03 (the Max. frequency)	10	○
P04.12	Vibration control threshold		30.00 Hz	○
P04.26	Energy-saving operation selection	0:No operation 1:Automatic energy-saving operation	0	◎
<b>P05 Group Input terminals</b>				
P05.00	HDI input selection	0: HDI is high pulse input. 1: HDI is switch input	0	◎
P05.01	S1 terminals function selection	0: No function 1: Forward rotation operation	1	◎
P05.02	S2 terminals function selection	2: Reverse rotation operation 3: 3-wire control operation	4	◎
P05.03	S3 terminals function selection	4: Forward jogging 5: Reverse jogging	7	◎
P05.04	S4 terminals function selection	6: Coast to stop 7: Fault reset	0	◎
P05.05	S5 terminals function selection	8: Operation pause 9: External fault input	0	◎
P05.06	S6 terminals function selection	10:Increasing frequency setting(UP) 11:Decreasing frequency setting(DOWN)	0	◎
P05.07	S7 terminals function selection	12:Cancel the frequency change setting 13:Shift between A setting and B setting	0	◎
P05.08	S8 terminals function selection	14:Shift between combination setting and A setting 15:Shift between combination setting and B setting	0	◎
P05.09	HDI terminals function selection	16:Multi-step speed terminal 1 17:Multi-step speed terminal 2 18:Multi-step speed terminal 3 19:Multi-step speed terminal 4 20:Multi-step speed pause 21:ACC/DEC time 1 22:ACC/DEC time 2 23:Simple PLC stop reset 24:Simple PLC pause 25:PID control pause 26:Traverse Pause(stop at the current frequency) 27:Traverse reset(return to the center frequency) 28:Counter reset 29:Torque control prohibition 30:ACC/DEC prohibition 31:Counter trigger 33:Cancel the frequency change setting temporarily 34:DC brake 36:Shift the command to the keypad 37:Shift the command to the terminals 38:Shift the command to the communication 39:Pre-magnetized command 40:Clear the power 41:Keep the power 61:PID pole switching	0	◎
P05.32	Lower limit of AI1	0.00V~P05.34	0.00V	○
P05.33	Corresponding setting of the lower limit of AI1	-100.0%~100.0%	0.0%	○
P05.34	Upper limit of AI1	P05.32~10.00V	10.00V	○
P05.35	Corresponding setting of the upper limit of AI1	-100.0%~100.0%	100.0%	○
P05.36	AI1 input filter time	0.000s~10.000s	0.100s	○
P05.37	Lower limit of AI2	0.00V~P05.39	0.00V	○
P05.38	Corresponding setting of the lower limit of AI2	-100.0%~100.0%	0.0%	○
P05.39	Upper limit of AI2	P05.37~10.00V	10.00V	○
P05.40	Corresponding setting of the upper limit of AI2	-100.0%~100.0%	100.0%	○

Function code	Name	Detailed instruction of parameters	Default value	Modify
P05.41	AI2 input filter time	0.000s~10.000s	0.100s	○
<b>P06 Group Output terminals</b>				
P06.01	Y1 output selection	0:Invalid 1:In operation	27	
P06.03	Relay RO1 output selection	2:Forward rotation operation 3:Reverse rotation operation 4:Jogging operation 5:The inverter fault 6:Frequency degree test FDT1 7:Frequency degree test FDT2 8:Frequency arrival 9:Zero speed running 10:Upper limit frequency arrival 11:Lower limit frequency arrival 12:Ready for operation 13:Pre-magnetizing 14:Overload pre-alarm 15:Underload pre-alarm 16:Completion of simple PLC stage 17:Completion of simple PLC cycle 18:Setting count value arrival 19:Defined count value arrival 20:External fault valid 22:Running time arrival 23:MODBUS communication virtual terminals output 24~25:Reserved 26:Establishment of DC bus voltage 27:STO action 28~30:Reserved	1	○
P06.04	Relay RO2 output selection	0:Running frequency 1:Setting frequency 2:Ramp reference frequency 3:Running rotation speed 4:Output current (relative to 2 times rated current of the inverter) 5:Output current (relative to 2 times rated current of the motor) 6:Output voltage 7:Output power 8:Set torque value 9:Output torque 10:Analog AI1 input value 11:Analog AI2 input value 12:Analog AI3 input value 13:High speed pulse HDI input value 14:MODBUS communication set value 1 15:MODBUS communication set value 2 22:Torque current (corresponds to 3 times rated current of the motor) 23:Ramp reference frequency (with sign)	5	○
P06.14	AO1 output selection	0:Running frequency 1:Setting frequency 2:Ramp reference frequency 3:Running rotation speed 4:Output current (relative to 2 times rated current of the inverter) 5:Output current (relative to 2 times rated current of the motor) 6:Output voltage 7:Output power 8:Set torque value 9:Output torque 10:Analog AI1 input value 11:Analog AI2 input value 12:Analog AI3 input value 13:High speed pulse HDI input value 14:MODBUS communication set value 1 15:MODBUS communication set value 2 22:Torque current (corresponds to 3 times rated current of the motor) 23:Ramp reference frequency (with sign)	0	○
P06.15	AO2 output selection	0:Running frequency 1:Setting frequency 2:Ramp reference frequency 3:Running rotation speed 4:Output current (relative to 2 times rated current of the inverter) 5:Output current (relative to 2 times rated current of the motor) 6:Output voltage 7:Output power 8:Set torque value 9:Output torque 10:Analog AI1 input value 11:Analog AI2 input value 12:Analog AI3 input value 13:High speed pulse HDI input value 14:MODBUS communication set value 1 15:MODBUS communication set value 2 22:Torque current (corresponds to 3 times rated current of the motor) 23:Ramp reference frequency (with sign)	0	○
<b>P07 Group Human-Machine Interface</b>				
P07.27	Current fault type	0:No fault 4:OC1 5:OC2 6:OC3 7:OV1 8:OV2 9:OV3 10:UV 11:Motor overload(OL1) 12:The inverter overload(OL2) 13:Input side phase loss(SPI) 14:Output side phase loss(SPO) 15:Overheat of the rectifier module(OH1) 16:Overheat fault of the inverter module(OH2) 17:External fault(EF) 18:485 communication fault(CE) 19:Current detection fault(IIE) 20:Motor antotune fault(IE) 21:EEPROM operation fault(EEP) 22:PID response offline fault(PIDE) 24:Running time arrival(END) 25:Electrical overload(OL3) 26:PCE 27:UPE 28:DNE 34:Speed deviation fault(dEu) 35:Maladjustment(STo) 36: Underload fault(LL) 37:Safe torque off (STO) 38:Channel 1 is abnormal (STL1) 39:Channel 2 is abnormal (STL2) 40:Channel 1 and channel 2 become abnormal simultaneously (STL3) 41:Safety code FLASH CRC check fault (CrCE)		●
P07.28	Previous fault type			●
P07.29	Previous 2 fault type			●
P07.30	Previous 3 fault type			●
P07.31	Previous 4 fault type			●
P07.32	Previous 5 fault type			●
P07.33	Current fault running frequency		0.00Hz	●

Function code	Name	Detailed instruction of parameters	Default value	Modify
P07.34	Ramp reference frequency at current fault		0.00Hz	
P07.35	Output voltage at the current fault		0V	
P07.36	Output current at the current fault		0.0A	
P07.37	Current bus voltage at the current fault		0.0V	
P07.38	The Max. temperature at the current fault		0.0°C	
P07.39	Input terminals state at the current fault		0	●
P07.40	Output terminals state at the current fault		0	●
<b>P08 Group Enhanced functions</b>				
P08.27	Setting running time	0~65535min	0min	○
P08.28	Time of fault reset	0~10	0	○
P08.29	Interval time of automatic fault reset	0.1~100.0s	1.0s	○
P08.37	Energy Braking enable	0:Disabled 1:Enabled	0	○
P08.38	Energy braking threshold voltage	200.0~2000.0V	220V voltage: 380.0V 460V voltage: 740.0V	○
P08.39	Cooling fan running mode	0:Rated running mode 1:The fan keeps on running after power on	0	○
P08.50	Magnetic flux braking	0: Invalid. 100~150: the bigger the coefficient, the bigger the braking strength.	0	○
P08.51	Input power factor of the inverter	0.00~1.00	0.56	○
<b>P09 Group PID control</b>				
P09.00	PID reference source	0:Keypad digital given(P09.01) 1:Analog channel AI1 given 2:Analog channel AI2 given 3:Analog channel AI3 set 4:High speed pulse HDI set 5:Multi-step speed set 6:MODBUS communication set	0	○
P09.01	Keypad PID preset	-100.0%~100.0%	0.0%	○
P09.02	PID feedback source	0:Analog channel AI1 feedback 1:Analog channel AI2 feedback 2:Analog channel AI3 feedback 3:High speed HDI feedback 4:MODBUS communication feedback	0	○
P09.03	PID output feature	0: PID output is positive 1: PID output is negative	0	○
P09.04	Proportional gain (Kp)	0.00~100.00	1.00	○
P09.05	Interval time(Ti)	0.00~10.00s	0.10s	○
P09.06	Differential time(Td)	0.00~10.00s	0.00s	○
P09.07	Sampling cycle(T)	0.001~10.000s	0.100s	○
P09.08	PID control deviation limit	0.0~100.0%	0.0%	○
P09.09	Output upper limit of PID	P09.10~100.0%	100.0%	○
P09.10	Output lower limit of PID	-100.0%~P09.09	0.0%	○
<b>P11 Group Protective parameters</b>				
P11.00	Phase loss protection	0x00~0x11 LED ones: 0: Input phase loss protection disable 1: Input phase loss protection enable LED tens: 0: Output phase loss protection disable 1: Output phase loss protection enable	0x10	○
P11.01	Frequency-decreasing at sudden power loss	0: Enabled 1: Disabled	0	○
P11.02	Frequency decreasing ratio at sudden power loss	0.00Hz/s~P00.03 (the Max. frequency)	10.00 Hz/s	○
P11.03	Overvoltage stall protection	0:Disabled 1:Enabled	1	○
P11.04	Overvoltage stall voltage protection	120~150%(standard bus voltage)(460V) 120~150%(standard bus voltage)(220V)	136% 115%	○

Function code	Name	Detailed instruction of parameters	Default value	Modify
P11.05	Current limit action	Setting range of P11.05: 0:current limit invalid 1:current limit valid	0x01	◎
P11.06	Automatic current limit level	2:current limit is invalid during constant speed	160.0%	◎
P11.07	The decreasing ratio during current limit	Setting range of P11.05: 0x00~0x12 Setting range of P11.06: 50.0~200.0% Setting range of P11.07: 0.00~50.00Hz/s	10.00 Hz/s	◎
P11.08	Overload pre-alarm of the motor/ inverter	Setting range of P11.08: 0x000~0x131 LED ones: 0:Overload pre-alarm of the motor 1:Overload pre-alarm of the inverter	0x000	○
P11.09	Overload pre-alarm test level	LED tens: 0:The inverter continues to work after underload pre-alarm 1:The inverter continues to work after underload pre-alarm and the inverter stops to run after overload fault 2: The inverter continues to work after overload pre-alarm and the inverter stops to run after underload fault 3: The inverter stops when overloading or underloading. LED hundreds : 0:Detection all the time 1:Detection in constant running Setting range of P11.09: P11.11~200% Setting range of P11.10: 0.1~3600.0s	150%	○
P11.10	Overload pre-alarm detection time		1.0s	○
P11.11	Detection level of the underload pre-alarm	0~P11.09	50%	○
P11.12	Detection time of the underload pre-alarm	0.1~3600.0s	1.0s	○
P11.13	Output terminal action selection during fault	0x00~0x11 LED ones: 0:Action under fault undervoltage 1:No action under fault undervoltage LED tens: 0:Action during the automatic reset 1:No action during the automatic reset	0x00	○
P11.14	Speed deviation detection	0.0~50.0%	10.0%	○
P11.15	Speed deviation detection time	0.0~10.0s	0.5s	○
P11.16	Extension function selection	0x000~0x111 LED ones: Automatic frequency-drop at voltage drop 0: Automatic frequency-drop at voltage drop is invalid 1: Automatic frequency-drop at voltage drop is valid LED tens: The second ACC/DEC time selection 0: The second ACC/DEC time detection selection is invalid 1: The second ACC/DEC time detection selection is valid; when the operation is above P08.36, ACC/DEC time is switched to the second ACC/DEC time LED hundreds: STO function selection 0: STO alarm locked Alarm lock means when STO appears, reset is a must after state recovery. 1: STO alarm unlocked STO alarm unlocked means when STO appears, STO alarm will disappeared automatically after state recovery. <b>Note:</b> STL1~STL3 are fault lock and cannot be reset	0x000	○

Please contact with us for any information. It is necessary to provide the product model and serial number during consultation. Following modes are available:

TEC Electric Motors Ltd.  
Tel: 01299 252990  
Email: enquiries@tecmotors.co.uk

Please refer to the operation manual of TECDrive TDI20 inverters for detailed information. Manual available via contact with TEC HQ.

Scan the QR code to view the full version of corresponding product e-manual.

