

Inverter Dimension & Weight

Inverter Capacity	Enclosure IP20 (mm)					Weight (Kg)	
	W	H	D	W1	H1	With Filter	Without Filter
E2-1P2	72	131	118	61	116	NA	0.76
E2-1P5						NA	0.77
E2-101						NA	0.84
E2-2P2						0.86	0.77
E2-2P5						0.87	0.78
E2-201	118	143	172	108	127.5	0.91	0.82
E2-202						2.1	1.95
E2-203						2.2	2.05
E2-401						1.6	1.38
E2-402						1.62	1.4
E2-403						1.68	1.46

Inverter Capacity	IP65(NEMA4) without Switch (mm)					Weight (Kg)		IP65(NEMA4) with Switch (mm)					Weight (Kg)	
	W	H	D	W1	H1	W/O Filter	W	H	D	W1	H1	With Filter	Without Filter	
E2-1P2	140.6	215.6	170	123.4	198.9	3.1	140.6	215.6	182.5	123.4	198.9	3.3	3.1	
E2-1P5						3.1						3.3		
E2-101						3.1						3.3		
E2-2P2						3.2						3.4		
E2-2P5						3.2						3.4		
E2-201	232	295	180.5	210	274.5	3.2	232	295	211.4	210	274.5	3.4	6.0	
E2-202						6.0						6.1		
E2-203						6.1						6.2		
E2-401						5.7						5.8		
E2-402						5.9						6.0		
E2-403						6.0						6.1		

Peripherals

EMI Filter

Model	Rated	Inverter model	Enclosure IP20 (mm)					Weight (Kg)
			W	H	D	W1	H1	
E2F-2102	1 Φ 220~250V/10A	E2-1P2/1P5/101 E2-2P2/2P5/201	76	156	25	60	145	0.42
E2F-2202	1 Φ 220~250V/20A	E2-202/203	120	172	38	106	158	1.12
E2F-4103	3 Φ 380~460V/10A	E2-401/402/403	120	172	38	106	158	1.12

Braking Resistor

Inverter Model	Resistor Model	Specification		
		(W)	(Ω)	%ED
E2-202	BRN2-202	150	100	10
E2-203	BRN2-203	200	70	9
E2-401	BRN2-401	60	750	8
E2-402	BRN2-402	150	400	10
E2-403	BRN2-403	200	250	8

DIN Rail Kit : DINE2-201 (for all IP20 models)

The information in this brochure is subject to change without notice.
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E2 SERIES



TAIAN INVERTER

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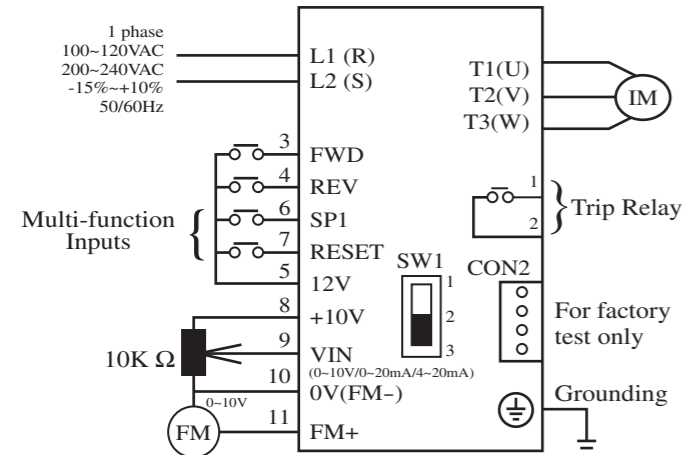


Feature

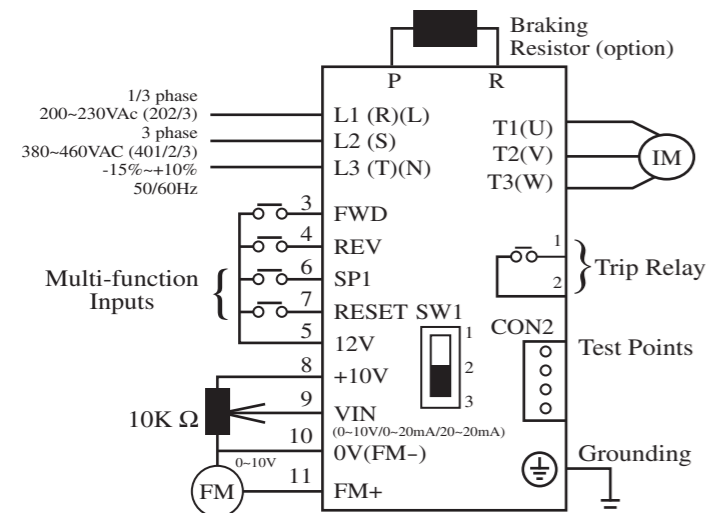
- Easy for Operation
- Cost efficiency
- EMI Filter Built-in
- 16kHz Carrier Freq.
- DIN Rail mounting option
- IP20, IP65(NEMA4) Enclosure

Interconnection

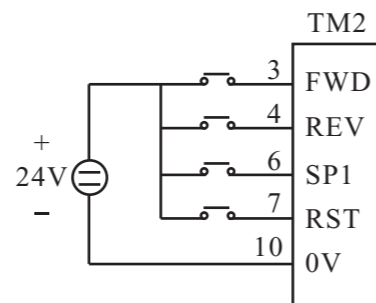
E2-1P2/1P5/101/2P2/2P5/201 Inverter



E2-202/203/401/402/403 Inverter



External DC24V wiring diagram



Ordering numbers

E2	2	P5	H	1	F	N4
Series	Input Voltage	Capacity	Specification	Phase of input power	Filter option	Enclosure
	2 : 200VAC	P2 : 0.25HP	M : Basic type (CPU Version 1.6)	Blank : 1/3 phase	Blank : without filter	Blank : IP20
	4 : 400VAC	P5 : 0.5HP		1 : 1 phase	F : with filter	N4 : IP65 (NEMA4)
	1 : 120VAC*	01 : 1Hp	H : Advanced type (CPU Version 1.8 or above)	3 : 3 phase		Without switch
	*(Subject to demand)	02 : 2Hp				N4S : IP65 (NEMA4)
		03 : 3Hp				With switch

Specification

Model E2-□□□—xxxx	1P2	1P5	101	2P2	2P5	201	202	203	401	402	403
Rated Motor Power kW	0.2	0.4	0.75	0.2	0.4	0.75	1.5	2.2	0.75	1.5	2.2
Rated Motor HP	1/4	1/2	1	1/4	1/2	1	2	3	1	2	3
Rated Output Current A	1.4	2.3	4.2	1.4	2.3	4.2	7.5	10.5	2.3	3.8	5.2
Rated Capacity kVA	0.53	0.88	1.6	0.53	0.88	1.6	2.9	4	1.7	2.9	4
Input Voltage	1 φ 100-120V (-15%~+10%), 50/60Hz(+/-5%)		1 φ 200-240V (-15%~+10%), 50/60Hz (+/-5%)		1/3 φ 200-240V (-15%~+10%), 50/60Hz (+/-5%)		3 φ 380-480V (-15%~+10%), 50/60Hz (+/-5%)				
Output Voltage	3 φ 200-240V						3 φ 380-480V				
Input Signal Type	PNP type (SOURCE) input (External DC24V allowed)										
Control Method	Sinusoidal wave PWM control										
Frequency Control	Freq. Range	1~200 Hz *1									
	Resolution	Digital : 0.1 Hz (1~99.9Hz); 1Hz (100~200Hz), Analog : 1Hz/60Hz									
	Keypad Setting	Directly adjusted by ▲▼ buttons									
	Display	Three digital LED display frequency / inverter parameter / fault record / program version									
	External Signal Setting	0~10V, 4~20mA, 0~20mA									
General Control	Other Function	Frequency upper and lower limit									
	Carrier Frequency	4~16kHz *1									
	Accel/Decel Time	0.1~ 999 Sec									
	V/F Pattern	6 Patterns									
	Torque Control	Torque boost level adjustable									
	Multi-function Input	2 points for multi-speed 1(Sp1) /2(Sp2)*1 /Jog / Emergency stop / External bb / Reset									
	Multi-function Output	1a Relay for Fault / Running / Frequency agreed function									
	Braking Torque	20%					20% ~ 100% , breaking transistor built in				
Other Function	Decelerate or coast to stop, Auto reset, DC braking frequency / Voltage / Time setting										
Protection Function	Instantaneous over Current	Approx 200% rated current									
	Overload	150% for 1min.									
	Over Voltage	DC voltage > 410V					DC voltage > 800V				
	under Voltage	DC voltage < 200V									
	Momentary Power Loss	0 ~ 2 sec, restart by speed search									
	Stall Prevention	Accelerate / Decelerate / Constant speed									
	Output Short Circuit	Electronic protection									
	Ground Fault	Electronic protection									
Other Function	Heat sink overheat protection , Current limit										
Enclosure	IP20 / IP65 (NEMA4)										
Operating Temperature	-10 ~ 50°C										
Humidity	0~95% RH non-condensing										
Vibration	Under 1 G (9.8 m/s ²)										
UL	UL508C										
CE	EN50081-1, EN50082-2, EN50178										
Installation	Mounting screw or DIN rail (Option)										

Note :

*1 E2-2P2/2P5/201 (CPU Version 1.6) have different specifications, please contact us for details.