



INVERTER E2 Series

Inverter Dimension & Weight

Inverter Capacity	Enclosure IP20 (mm)					Weight (Kg)	
	W	H	D	W1	H1	With Filter	Without Filter
E2-1P2	72	132	118	61	116	NA	0.76
E2-1P5						NA	0.77
E2-101						NA	0.84
E2-2P2						0.76	0.68
E2-2P5						0.77	0.69
E2-201						0.80	0.72
E2-202	118	143	172	108	127.5	1.46	1.95
E2-203						1.76	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) W/O Filter	IP65(NEMA4) without Switch (mm)					Weight (Kg) W/O Filter
	W	H	D	W1	H1		W	H	D	W1	H1	
E2-1P2	133.57	204.82	161.29	117.23	188.96	3.1	133.57	204.82	173.38	117.23	188.96	3.3
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						3.2						3.4
E2-202	232	295	180.5	210	274.5	6.0	232	295	211.4	210	274.5	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

Braking Resistor

Inverter Model	Resistor Model	Specification		
		W	Ω	% ED
E2F-202	BRN2-202	150	100	10
E2F-203	BRN2-203	200	70	9
E2F-401	BRN2-401	60	750	8
E2F-402	BRN2-402	150	400	10
E2F-403	BRN2-403	200	250	8

DIN RAIL KIT: DINE2-20 (for all IP20 models)

REMOTE CONTROL SPEED POT: REM-POT-MINI

TECO ELECTRIC EUROPE
Teco Building, Marshall Stevens Way, Trafford Park, Manchester M17 1PP Tel: 0161 877 8025 Fax: 0161 877 8030
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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 Ø 100-120V (-15% ~ +10%) 50/60Hz (+/-5%)		1 Ø 200-240V (-15% ~ +10%) 50/60Hz (+/-5%)		1/3 Ø 200-240V (-15% ~ +10%) 50/60Hz (+/-5%)		3 Ø 380-480V (-15% ~ +10%) 50/60Hz (+/-5%)				
Output Voltage							3 Ø 200 - 240V		3 Ø 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									
	Other Function	Frequency upper and lower limit									
General Control	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)*1Jog/Emergency stop/External bb/Reset									
	Multi-function Output	1 Relay for Fault/Running/Frequency agreed function									
	Braking Torque	20%		20% ~ 100%, braking transistor built in							
Other Function	Decelerate or coast to stop, Auto reset, DC braking, with adjustable frequency/voltage/time										
Protection Function	Instantaneous over Current	Approx 200% rated current									
	Overload	150% for 1 min.									
	Over Voltage							DC voltage > 410V		DC voltage > 800V	
	Under Voltage							DC voltage > 200V		DC voltage > 400V	
	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					-10 ~ 40°C with dust shield					
Humidity	0 ~ 95% RH non-condensing										
Vibration	Under 1 G (9.8 m/s ²)										
UL	UL50BC										
CE	EN50081-1, EN50082-2, EN50178										
Installation	Mounting Screw or DIN rail (Option)										

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

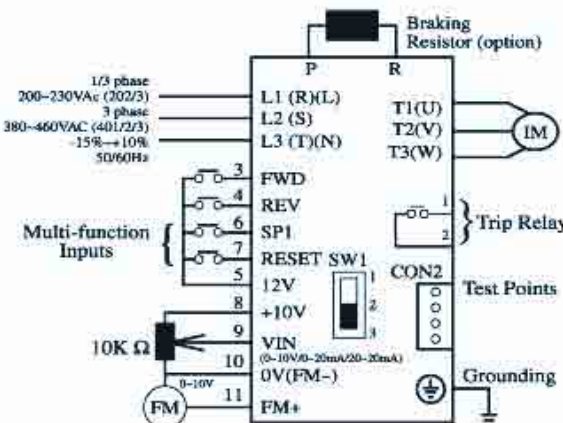
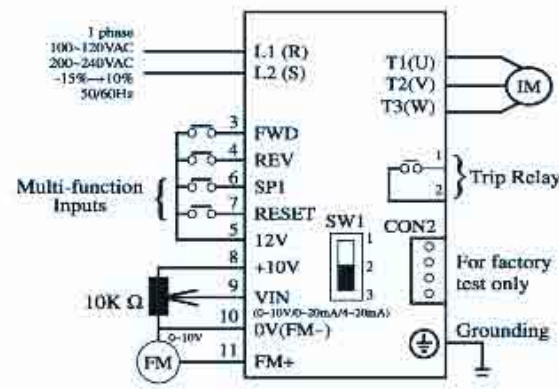
Feature

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

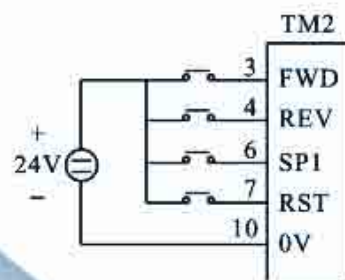
Interconnection

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	N4S
Series	Input Voltage	Capacity	Specification	Phase of input power	Filter option	Enclosure
	2:200VAC	P2 = 0.2kw	M:Basic type	Blank: 1/3 phase	Blank: without filter	Blank:IP20
	4:400VAC	P5 = 0.4kw	(CPU Version 1.6)	1:1 phase	F: with filter	N4:IP65 (NEMA4)
	1:120VAC*	O1 = 0.75kw	H: Advanced type	3:3 phase		Without switch
	*(Subject to demand)	O2 = 1.5kw	(CPU Version 1.9 or above)			N4S:IP65 (NEMA4)
		O3 = 2.2kw				With Switch