

Series EP 66 - 230V - 400V

The professional inverter for all variable torque, applications. All I/O channels programmable, two mathematically linkable 12-Bit analogue inputs. Build in PID controller, with specific HVAC functions. RS 485 MODBUS interface, for inverter control, and for reading and setting of all inverter I/Os, in this way the inverter hardware can be implemented in subordinated control systems. Application specific hardware available: Special filters (classB), dV/dt limitation PFC chokes build in as standard (inverters above 30kW). Fieldbus Gateways available for all common used building automation systems. PC-Software, for diagnosis, control and inverter programming.

Specifications

Supply voltage:	1-Phase 230 - 240Vac +/-15% 44...67Hz 3-Phase 230 - 240Vac +/-15% 44...67Hz 3-Phase 380 - 460Vac +/-15% 44...67Hz
Max intensity:	0,4kW/2,5A –90kW/180A according model
Control type:	6 dig. Inputs (PNP/NPN) 2 x 12 BIT analogue inputs 0-10V, 0(4)-20mA 2 analogue output, various functions 0-10V, 0-20mA 2 digital output (programmable) 1 relays switch 5A 230V (programmable function) RS 485 MODBUS
Switch ON/OFF:	External contact
Output:	0 - Vinput, 0,5 - 650Hz III
Protection:	Under - over voltage Overcurrent, overload, motor overload, short circuit Input phase loss, motor phase loss Inverter overtemperature, motor-overload I ² xt
Connection:	Terminal Block
Enclosure:	Plastic, IP66 / NEMA4
Optionals:	Remote display/keypad unit Brake resistors for all different applications PC-Link Software for parameter setting, control an diagnosis Fieldbus gateway modules for all common bus systems



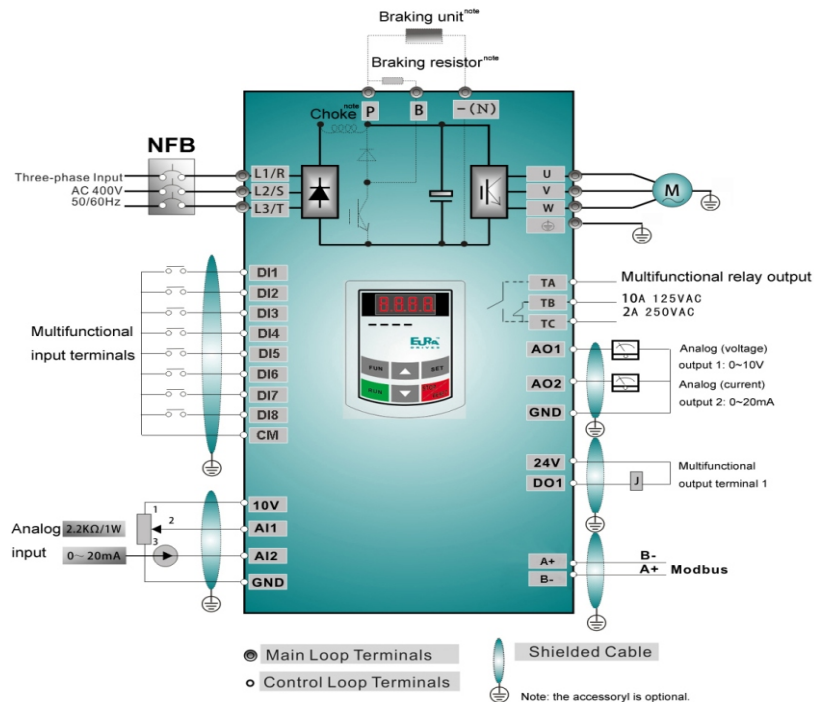
Advantages

Special for water supply, wastewater treatment, fans and pumps, booster stations, heating, air conditioning, building automation. Agriculture, irrigation systems. Material handling, conveyor belts. Screw compressors, vacuum pumps, blowers. HVAC Retrofit / Energy optimizing.

High quality and low price, easy installation, low installation costs

CE Norms

These controllers comply with following mentioned European norms:
EMC 89/336/CEE modified by 92/31/CEE and low voltage norm 72/23/CEE
Electromagnetic compatibility EN61800-3(2004), Safety EN61800-5-1 2003, RoHS compliant



Basic Wiring Diagram for multi-stage speed control macro (NPN type)

MODEL	INTENSITY	SUPPLY VOLTAGE	DIMENSIONS (mm)	FRAME				
EP66-0004S2	0.4kW – 2.5A	1 x 220/230V +/-15% 44 ... 67 Hz	205 x 412 x 198	I1				
EP66-0007S2	0.75kW – 4.5A							
EP66-0015S2	1.5kW – 7A							
EP66-0022S2	2.2kW – 10A							
EP66-0004T2	0.4kW – 2.5A	3 x 220/230V +/-15% 44 ... 67 Hz			205 x 412 x 198	I1		
EP66-0007T2	0.75kW – 4.5A							
EP66-0015T2	1.5kW – 7A							
EP66-0022T2	2.2kW – 10A							
EP66-0004T3	0.4kW – 1.2A	3 x 380/460V +/-15% 44 ... 67 Hz					246 x 420 x 198	I2
EP66-0007T3	0.75kW – 2A							
EP66-0015T3	1.5kW – 4A							
EP66-0022T3	2.2kW – 6.5A							
EP66-0040T3	4.0kW – 9A							
EP66-0055T3	5.5kW – 12A							
EP66-0075T3	7.5kW – 17A		246 x 470 x 230	I3				
EP66-0110T3	11kW – 23A							
EP66-0150T3	15kW – 32A							
EP66-0185T3	18.5kW – 38A							
EP66-0220T3	22kW – 44A		246 x 650 x 326	I4				
EP66-0300T3	30kW – 60A							
EP66-0370T3	37kW – 75A							
EP66-0450T3	45kW – 90A							
EP66-0550T3	55kW – 110A		308 x 680 x 376	I5				
EP66-0750T3	75kW – 150A							
EP66-0900T3	90kW – 180A							
			370 x 770 x 401	I6				