

MECON LVT20 CONTROLLER



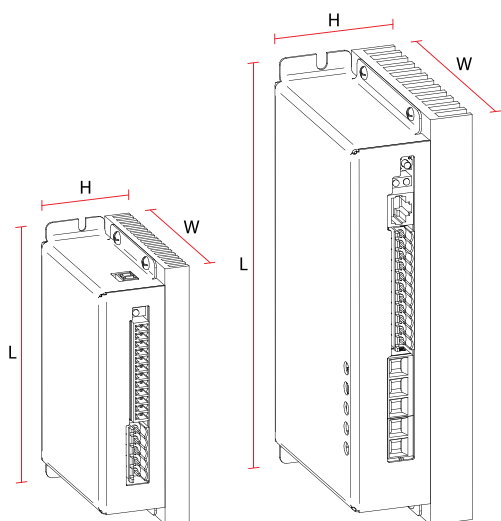
MEDEval,
Drive
programming
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BRUSHLESS DC MOTOR CONTROLLER

The MECON LVT20 series of controller is a three phase motor controller specially designed for electronic commutation of sensored brushless motors. It is equipped with advance motor control algorithms and in-house designed gate drivers for robust performance.

Simple speed control is achieved by hall sensors in open loop as well as closed loop control modes. Accurate fault detection makes the controller well protected in overlimit conditions.

High efficiency and cost effectiveness makes it possible to integrate it in OEM applications. LVT20 controllers can be used in general industrial applications as well as applications where high torque demand is required.



TECHNICAL SPECIFICATION

LVT20A

Operating mode	Open loop, Closed loop
Feedback	HALL sensors (U, V, W)
Power	400W
Voltage	36 - 48V
Current (cont.)	8A
RPM range	20000 RPM
Speed input	0 - 5V / 1 - 10KHz
Hall voltage	5V (25mA max.)
Acceleration	0 - 20 s
Deceleration	0 - 20 s
Over voltage	56V
Under voltage	34V
Overload	150% (60 s)
Stall protection	6 s
Operating temp.	-5 - 40°C (ambient)
Max. temp.	80°C (heatsink)
Communication	RS485
Weight	360grams
(L x W x H)	(121mm x 76mm x 42mm)

LVT20B

Operating mode	Open loop, Closed loop
Feedback	HALL sensors (U, V, W)
Power	750W
Voltage	36 - 48V
Current (cont.)	15A
RPM range	20000 RPM
Speed input	0 - 5V / 1 - 10KHz
Hall voltage	5V (25mA max.)
Acceleration	0 - 20 s
Deceleration	0 - 20 s
Over voltage	56V
Under voltage	34V
Overload	150% (60 s)
Stall protection	6 s
Operating temp.	-5 - 40°C (ambient)
Max. temp.	80°C (heatsink)
Communication	RS485
Weight	1000 grams
(L x W x H)	(192mm x 100mm x 57mm)