VECTOR MOTOR CONTROL

Selection Guide

PMSM motor controllers · 10 models
peak phase current 150 – 2200 A peak power ≤ 79 kW

Protection	Communication	Control	Ambient
IP67	**CAN • RS-485 • UART • SIF**	**FOC**	**−40 to +85 °C**



T-150 ENTRY — 150 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	60 A
Power	2.0 / 4.5 kW
Weight	≤ 1.0 kg
Size	165.5 × 104.5 × 49.6 mm Natural convection



T-260 ENTRY — 260 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	80 A
Power	3.5 / 7.5 kW
Weight	≤ 1.0 kg
Size	166 × 93 × 47.1 mm Natural convection



T-300 COMPACT — 300 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	100 A
Power	3.5 / 7.5 kW
Weight	≤ 0.95 kg
Size	180 × 94.8 × 48.1 mm Natural convection



T-400 COMPACT — 400 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	150 A
Power	4.5 / 12.0 kW
Weight	≤ 0.95 kg
Size	180 × 94.8 × 48.1 mm Natural convection



T-500 STANDARD — 500 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	250 A
Power	8.5 / 18.0 kW
Weight	≤ 1.4 kg
Size	187 × 113.8 × 52 mm Liquid / natural



T-600 STANDARD — 600 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	300 A
Power	10.0 / 21.0 kW
Weight	≤ 1.4 kg
Size	187 × 113.8 × 52 mm Liquid / natural



T-720 STANDARD — 720 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	350 A
Power	12.0 / 25.0 kW
Weight	≤ 1.4 kg
Size	187 × 113.8 × 52 mm Liquid / natural



T-1000 STANDARD — 1000 A peak

Voltage	48 / 60 / 72 V range 36 – 84 V
DC-bus	500 A
Power	18.0 / 36.0 kW
Weight	≤ 1.4 kg
Size	187 × 113.8 × 52 mm Liquid / natural



T-1500 HIGH POWER — 1500 A peak

Voltage	72 / 84 / 96 V
DC-bus	750 A
Power	27.0 / 54.0 kW
Weight	≤ 1.9 kg
Size	201.6 × 128.6 × 61.5 mm Liquid / natural



T-2200 FLAGSHIP — 2200 A peak

Voltage	72 / 84 / 96 V
DC-bus	1100 A
Power	40.0 / 79.0 kW
Weight	≤ 2.3 kg
Size	202.8 × 174.8 × 60.8 mm Liquid / natural

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Values from each model's data table. Currents are peak values; continuous capability depends on cooling — see the model datasheet.

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