



HPM5000 Series BLDC motors

Air cooled
Up to 5kW



Liquid cooled
Up to 7.5kW



HPM5000B and HPM7500B series

- Voltage ratings: 48, 72, 96 Vdc
- Rated DC bus current: 30 to 200 Amps
- Rated power:
 - Up to 5kW air cooled (5000 series)
 - Up to 7.5kW liquid cooled (7500 series)
- Phase resistance (mOhm): 6.2@48V, 12.0@72V, 36.0@120V
- Phase Inductance (μ H): 68@48V, 154@72V, 504@120V
- Cooling: Air (inbuilt fan) or fluid (water, oil, etc)
- Efficiency: 91%
- Speed limit: Up to 6000 rpm (model & winding dependant)
- Weight: 11kg
- Housing Material: Aluminium
- Output shaft material: Stainless steel
- Housing dimensions: \varnothing 126mm X 206mm long
- Shaft dimensions: \varnothing 22 X 53mm long, with 5mm sq. keyway

Options on request:

- Rear shaft extension (eg, water pump drive, tacho, encoder)
- Custom speed and voltage ratings.

Application examples:

- Electric car, golf buggy, motorcycle, tricycle, boats of all types, forklift truck, recreational buggy, outboard motors, ROV, bicycle, wheelchair.

Model Number example:

HPM7500B/48L = 7.5kW, 48Vdc, liquid cooled



Sine wave controller

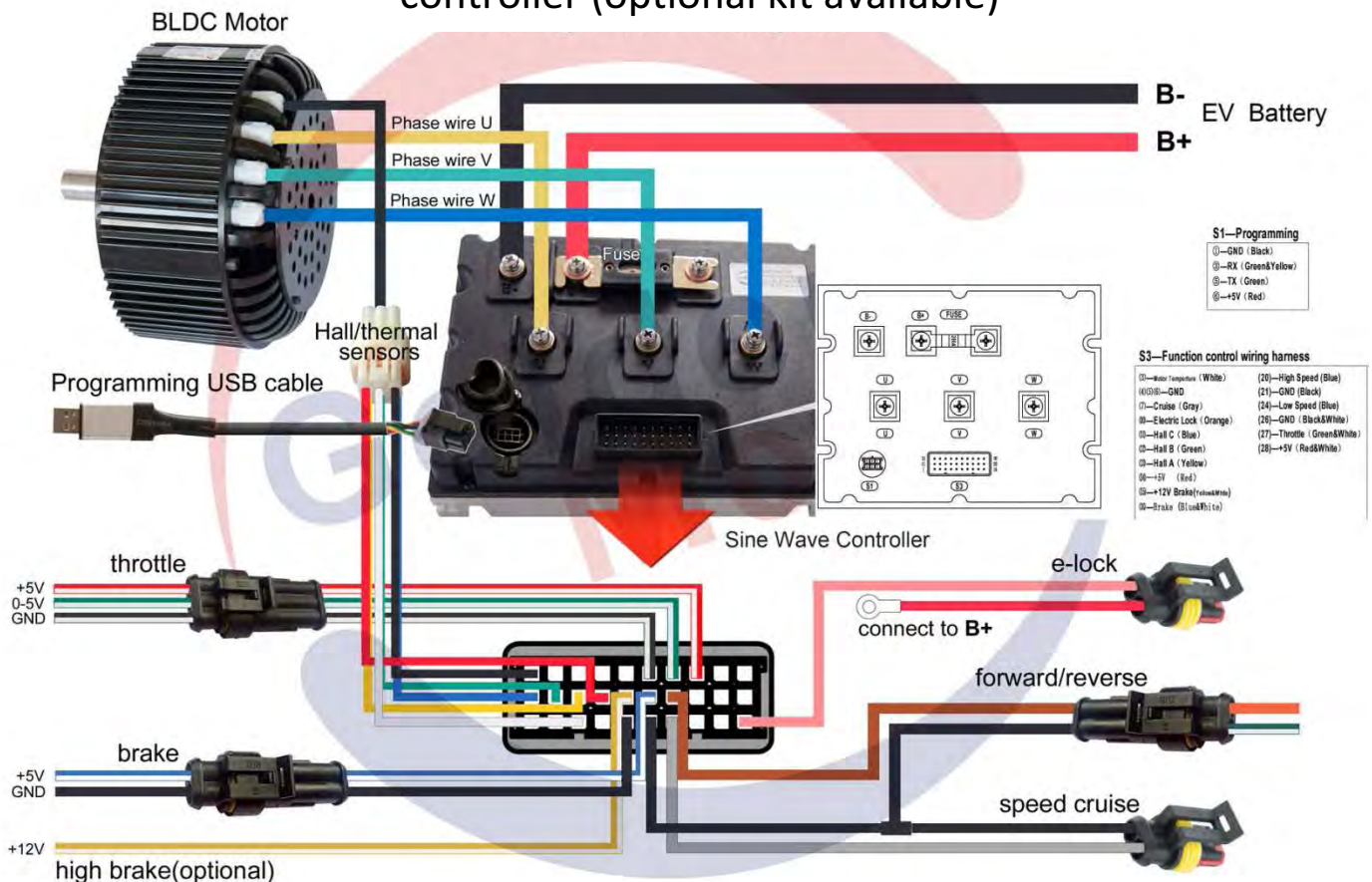


VEC300 series

- To suit HPM5000 and HPM7000 series motors
- Voltage rating: 48, 72, 96 Vdc
- Rated DC bus current: 30 to 200 Amps
- Rated power:
 - Up to 5kW air cooled
 - Up to 7.5kW water cooled
- Cooling: Air or water
- Full regeneration
- Speed limit: subject to motor selection
- Weight: 2.5kg (air cooled), 3.5kg (water cooled)
- Model Number example:
 - VEC300/48A = 48Vdc, air cooled



Wiring harness diagram for sine wave controller (optional kit available)



COMPLETE RANGE AVAILABLE FROM 3 kW to 20 kW

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