

ABOUT THE PRODUCT

The Shakti EV Controller is a robust and efficient solution designed to enhance the performance of electric three-wheelers segments. Engineered with advanced features, this controller ensures optimal motor performance and safety. Its natural cooling system and IP67 ingress protection rating makes it highly durable and suitable for diverse environments. The Shakti EV Controller comes with CAN communication compatibility and provides stable, efficient and smart control performance, meeting the demands of modern EV mobility and a sustainable future.

SPECIFICATIONS

PARAMETERS	SHAKTI EV CONTROLLER	
	8600000006	8600000019
Voltage	48V/60V / 72V (36V-84V)	
Max Input Current	200A	210A
Maximum Power	10000 W	14000 W
Nominal AC Voltage range	0-50 VAC	0-60 VAC
Frequency	0-800 Hz	0-800 Hz
Max AC Current	365A	460A
Power Factor Range	0.8 - 1	
Connection Phases	3 phase only	
Max Efficiency	> 95%	
Communication Protocols	CAN	
Cooling Method	Natural Cooling	
Operating Temperature Range	-25°C to 65°C	
Pollution Degree	PD3	
IP Rating	IP 67	
Dimensions (L*W*H)	(193mm X 183mm X 106mm) ± 1.50	(242mm X187mm X157.65mm) ± 1.50
Weight	4 Kg	5.3 Kg

APPLICATION:

- 1. Specifically designed for electric 3-wheelers.

PROTECTION:

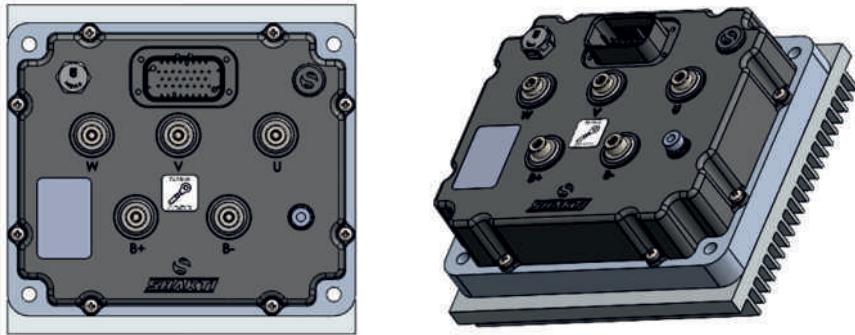
- 1. Short circuit protection.
- 2. Motor over temperature.
- 3. Controller over temperature.
- 4. DC Bus over voltage.
- 5. DC Bus under voltage.
- 6. Throttle signal error.
- 7. Hall Sensor signal error.

KEY FEATURES:

- 1. Parking and drive modes functionality.
- 2. Multiple speed modes support.
- 3. Vector control with speed sensor integration.
- 4. High Brake Mode support.
- 5. Throttle control functionality.
- 6. Forward and reverse direction control.
- 7. Regenerative braking control.



Motor Control Unit 3 Wheeler



03 Nov 2025/ R0
Nov/ 2025-26/L1/
VC:

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Authorised Dealer / Distributor :