

MOTOR CONTROL UNIT 3 WHEELER

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	8600000023
INPUT			
Voltage	48V/60V / 72V (36V-84V)		40-72 V
Max Input Current	200A	210A	65A
Maximum Power	10000 W	14000 W	3000 W
OUTPUT			
Nominal AC Voltage range	0-50 VAC	0-60 VAC	0-42 VAC
Frequency	0-800 Hz	0-800 Hz	0-500 Hz
Max AC Current	365 A	460 A	190 A
Power Factor Range	0.8 - 1		
Connection Phases	3 phase only		
Max Efficiency	> 95%		> 90%
OTHER INFO			
Communication Protocols	CAN		CAN / LIN
Cooling Method	Natural Cooling	Air forced Cooling	Natural Cooling
Operating Temperature Range	-25°C to 65°C		-20°C to 60°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	(190mm X111mm X172mm) ± 1.50
Weight	4 Kg	5.3 Kg	1.3 Kg

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.

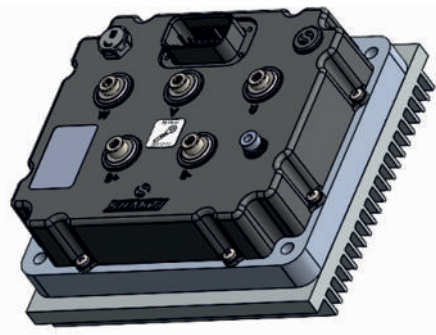
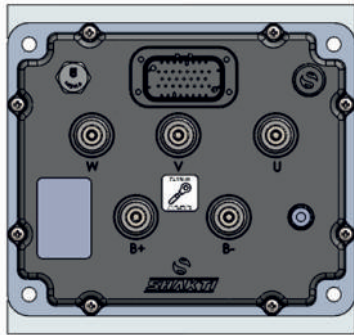
APPLICATION:

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.

Motor Control Unit 3 Wheeler



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Group Company - **SHAKTI PUMPS (INDIA) LIMITED**
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Authorised Dealer / Distributor :

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Jan/ 2025-26/L1/
VC :
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