



ELECTRIFYING LIFE



ENHANCE YOUR DRIVE WITH INNOVATIVE EV SOLUTIONS

GATI CONTROLLER



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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	GATI CONTROLLER
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INPUT	
Voltage	40-72 V
Peak Input Current	70 A
Constant Input Current	60 A
Peak Input Power	3000 W
Constant Input Power	1500 W
OUTPUT	
Nominal AC Voltage range	0-42 VAC
Frequency	0-500 Hz
Rated Power	1500 W
Max AC Current	190 A
Power Factor Range	0.8 - 1
Connection Phases	3 phase only
Max Efficiency	> 90%
OTHER INFO	
Motor Type	PMSM
Communication Protocols	CAN / LIN
Cooling Method	Natural Cooling
Operating Temperature Range	-20°C to 60°C
Pollution Degree	PD3
IP Rating	IP 67
Noise	< 20 dBA
Position Feedback	Hall
Mounting	Horizontal Tentative
Dimensions (L*W*H)	(340mm x 130mm x 80mm) ± 1.50
Weight	2.2 Kg
Protection	Short circuit, Under voltage/ Over Voltage/ Motor and Controller Temperature fault.

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.
8. Hill Assist Control.
9. Cruise Mode.

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.

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