



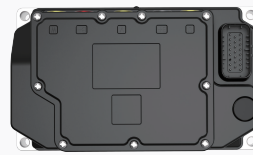
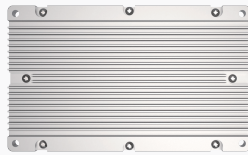
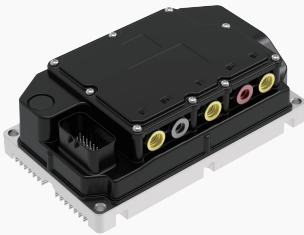
D06 MODEL
E-MOTORCYCLE MOTOR CONTROLLER

A00 34.05.0039

D06 Model
KTZ05H28ZMAXX



Applicable to two-wheelers, three wheelers, e-scooters, e-motorcycles, and lightweight automobiles, with rated input voltage 48V and peak output power up to 8kW
Compatible with *PMSM, ACIM and BLDC*



Efficiency \geq
98%

IP Grade
67

Weight
1.8 KG

- Compatible with magnetic encoder (TLE5012B/AS5047) and Hall sensor
- Superb overload capability
- Compact and concise
- Advanced vector control algorithm generates the maximum possible torque and efficiency across the entire speed range and increases gradeability
- Natural and water cooling optional
- Multi-function I/O ports to meet different applications
- CAN bus communication
- Customized solution to meet different vehicle requirements

APPROVAL STANDARDS

GB/T 18488.1-2015

QC/T 792-2021

GB/T 18655-2010

GB/T 17619-1998

GB/T 2423.17

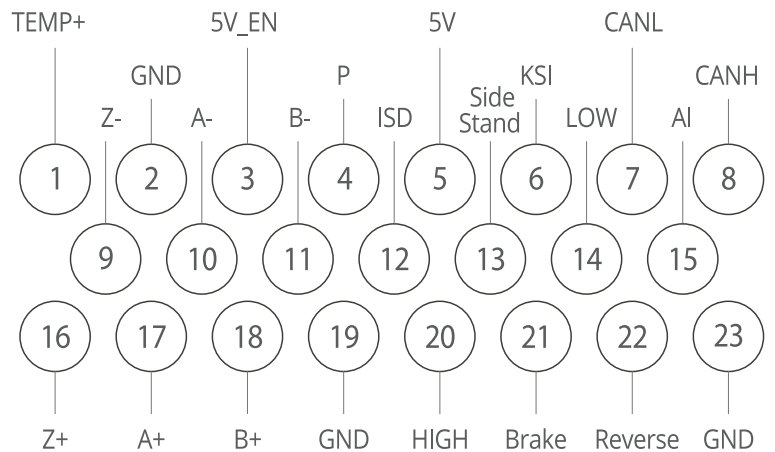
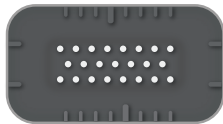
PARAMETERS

Motor Type	-	PMSM, ACIM, BLDC	Communication	-	CAN Bus
Power Rating	kW	4	Input Terminals	-	Digital 6 & Analog 1
Peak Power	kW	8	Power Supply:	-	1 channel
Rated Current	A	90	Motor Temperature	-	NTC, KTY84, PT1000
Peak Current	A	280	Start Torque	-	0Hz,200%
Input Voltage	V DC	40~70	Speed Range	-	1:1000
Rated Input Voltage	V DC	48	Efficiency	%	≥98
Output Frequency	Hz	0.00-600	Operating Ambient Temperature	℃	-40~+55
Switching Frequency	kHz	0.7~10	Cooling Method	-	Natural
Torque Response	ms	<5	Weight	Kg	1.8
Torque Accuracy	%	±5	Protection Level	-	IP 67
Speed Accuracy	%	±0.02	Storage Temperature	℃	-40~+85
Accel/Decel Time	S	0.00~60000	Dimensions	mm	200*118*66

CONNECTORS

23 Pin

Controller Signal Connectors:
AMP 770520-1/770854-1



GTAKE is catering a wide variety of EV/HEV motor controllers with the solution of flexible **N+N** combination, covering the applications on electric motorcycles, commercial vehicles, engineering machinery and passenger cars, fulfilling the power and performance requirements of different vehicles. Superb products and our expertise will bring you satisfaction whether in the progress of your development or mass production. DO NOT hesitate to contact us for more ...

