

## D03 MODEL

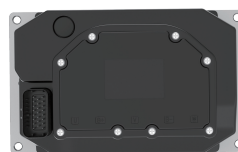
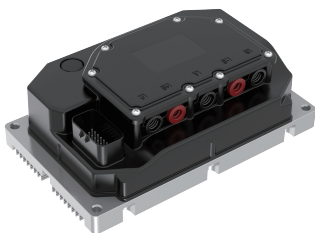
### E-MOTORCYCLE MOTOR CONTROLLER

Applicable to two-wheelers, three wheelers, e-scooters, e-motorcycles and lightweight automobiles, with rated input voltage 72V and peak output power up to 10kW.

Compatible with *PMSM, ACIM and BLDC*

## D03 Model

KTZ(KYS)XXXXXXX



Efficiency  $\geq$

**98%**

IP Grade

**67**

Weight

**2KG**

- 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

QC/T 792-2021

GB/T 18488.1-2015

GB/T 18655-2010

GB/T 2423.17

GB/T 17619-1998

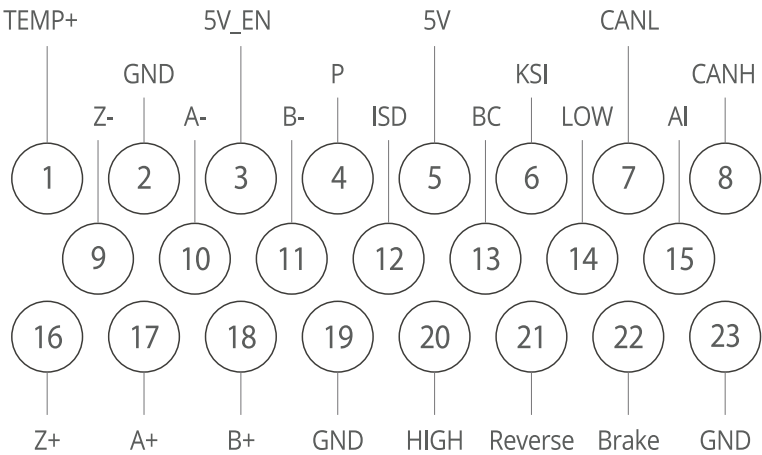
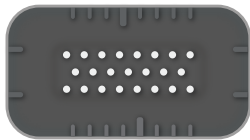
PARAMETERS

Power Rating	kW	5.5	Communication	-	CAN/UDS
Peak Power	kW	10	Input Terminals	-	Digital 6 & Analog 1
Rated Current	A	110	Power Supply:	-	1 channel
Peak Current	A	350	Motor Temperature	-	NTC, KTY84, PT1000
Input Voltage	V DC	40~90	Start Torque	-	0Hz,200%
Rated Input Voltage	V DC	48/72 Optional	Speed Range	-	1:1000
Output Frequency	Hz	0.00-600	Efficiency	%	≥98
Switching Frequency	kHz	0.7~10	Operating Ambient Temperature	℃	-40~+55
Torque Response	ms	<5	Cooling Method	-	Natural
Torque Accuracy	%	±5	Weight	Kg	2
Speed Accuracy	%	±0.02	Protection Level	-	IP 67
Accel/Decel Time	S	0.00~60000	Storage Temperature	℃	-40~+85
			Dimensions	mm	223*134*77

CONNECTORS

23 Pin

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



GTAK 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 ...

