



# GREEN MOTOR TECH

*A Leading One Stop EV Driving  
System Solution Provider*





# The Green Motor Technology Product Portfolio Manual

- 10kw Driving System

## I. Board of Director's Message

First thank you for your interest of our products and service. The Green Motor Technology Co.(GA) is an innovative technology company that specializes in developing and manufacturing driving systems for electric vehicles (EV). With two decades plus years of expertise and leadership in the dynamic driving system, GA's AC driving system serves our customers for more than 35 countries and beyond, particularly, some customers won championship in their national competition by adopting our driving system, and we have earned more and more repeated business partners by providing consistent products and shared value with customers. Sincerely I wish you have a pleasant experience with us and please feel free to let us know your concerns.

**Dr. Kevin WANG**  
President



*In witness of customer honor*

## II. Typical Electric Vehicle Performance



GAEV1001

|                     |            |                     |                  |
|---------------------|------------|---------------------|------------------|
| Maximum Speed       | 25km/h     | Vehicle size(L*W*H) | 5500*1810*2250mm |
| Endurance mileage   | 120km      | Seats               | 23               |
| Unloading weight    | 2000kg     | Wheelbase           | 3400mm           |
| Full loading weight | 3840kg     | Front wheel tread   | 1420mm           |
| Maximum slope       | 15%        | Rear wheel tread    | 1440mm           |
| Noise               | <50dB      | Tires               | 165/70 R13, 4pcs |
| Battery             | 6V190AH*12 | Driving system      | 96V 10kw         |



GAEV1002

|                     |                 |                     |                   |
|---------------------|-----------------|---------------------|-------------------|
| Maximum Speed       | 80km/h          | Vehicle size(L*W*H) | 3520*1570*1490 mm |
| Endurance mileage   | 200km           | Seats               | 4                 |
| Unloading weight    | 980kg           | Wheelbase           | 2345mm            |
| Full loading weight | 1350kg          | Front wheel tread   | 1330mm            |
| Maximum slope       | 20%             | Rear wheel tread    | 1310mm            |
| Noise               | <50dB           | Tires               | 175/60R13, 4pcs   |
| Battery             | Lithium battery | Driving system      | 96V 10kw          |


### III. Driving System

| Item   | Specification          |                                | Picture   |
|--|------------------------|--------------------------------|---|
| Motor  | Rated power            | 10kw                           |    |
|  | Battery voltage        | 96v                            |   |
|  | Rated frequency        | 152Hz                          |   |
|  | Rated speed            | 4500RPM                        |   |
|  | Max. speed             | 7000RPM                        |   |
|  | Ambient temperature    | -20℃~40℃                       |   |
|  | Protection grade       | IP55                           |   |
|  | Insulation grade       | H                              |   |
|  | Max.torque             | 120 N.m                        |   |
|  | Duty                   | S2-60min                       |   |
|  | Installation size      | Tailor made to customer's size |   |
|  | Size                   | Φ227 * 335mm                   |   |
|  | Net weight             | 45kg                           |   |
| Packing  | Wooden box             |                                |   |
| HS code  | 85015200               |                                |   |
| MOQ/MASS Price   |                        | \$ 550/380                     |   |
| Controller assembly<br>(Including controller, key switch, stall switch, accelerator, and wire harness) | Rated voltage          | 96V DC                         |  |
|  | Working voltage range  | 50V ~ 96V                      |   |
|  | Rated output current   | 120A                           |   |
|  | Maximum output current | 400A                           |   |
|  | Efficiency             | 98%                            |   |
|  | Protection grade       | IP65                           |   |
|  | Ambient temperature    | -40 ~ 50℃                      |   |
|  | Control mode           | Vector control                 |   |
|  | Communication mode     | CAN                            |   |
|  | Size (L*W*H)           | 268*150*100mm                  |   |
|  | Net weight             | 5kg                            |   |
|  | Packing                | Carton                         |   |
| HS code  | 85371090               |                                |   |
| MOQ/MASS Price   |                        | \$ 998/880                     |   |
| Gearbox  | Ratio                  | 6:1/8:1/10:1/12:1              |  |
|  | Center distance        | 62~99mm                        |   |
|  | Speed capacity         | 8000RPM                        |   |
|  | Torque capacity        | 130N.m                         |   |
|  | Noise                  | ≤65dB                          |   |
|  | Est. net weight        | 13kg                           |   |
|  | Packing                | Wooden box                     |   |
|  | HS code                | 87085079                       |   |
| MOQ/MASS Price   |                        | \$ 250/225                     |   |

## IV. Optional Parts

| Item                           | Spcificatioin        |                       | Picture    |
|--------------------------------|----------------------|-----------------------|------------|
| DC Converter<br>(GA-ZHQ-1)     | Input voltage (V)    | 72/60/48              |            |
|                                | Output voltage(V)    | 12                    |            |
|                                | Protection class     | IP68                  |            |
|                                | Output current       | 20A/30A               |            |
|                                | HS code              | 85044099              |            |
| MOQ/MASS Price                 |                      |                       | \$ 140/53  |
| Charger<br>(GA-CDJ-1)          | Input voltage (V)    | 220/110               |            |
|                                | Battery voltage (V)  | 48/60/72              |            |
|                                | Charging current (A) | 25/30/35              |            |
|                                | HS code              | 85044099              |            |
| MOQ/MASS Price                 |                      |                       | \$ 450/420 |
| Dashboard<br>(GA-YB-1)         | Output voltage(V)    | 12                    |            |
|                                | Display              | Instantaneous current |            |
|                                |                      | Speed                 |            |
|                                |                      | Battery power         |            |
| HS code                        | 90329000             |                       |            |
| MOQ/MASS Price                 |                      |                       | \$ 65/49   |
| Steering assembly<br>(GA-FX-1) | Include              | Steering wheel        |            |
|                                |                      | Light control         |            |
|                                |                      | Horn switch           |            |
|                                |                      | Handbrake             |            |
|                                | HS code              | 87089490              |            |
| MOQ/MASS Price                 |                      |                       | \$ 140/95  |

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|                                |   |                                 |   |
|--------------------------------|---|---------------------------------|---|
| Battery pack<br>(GA-DC-1)      | voltage(V)                                      | 6/8/12                          |    |
|                                | Battery capacity(Ah)                            | 175                             |   |
|                                | Size(mm)  | 300*180*180                     |   |
|                                | Weight(Kg)                                      | 40                              |   |
|                                | HS code   | 85072000                        |   |
| MOQ/MASS Price                 | 6V: \$ 150/144; 8V: \$ 160/153; 12V: \$ 225/215 |                                 |   |
| suspension system<br>(GA-XG-1) | Include   | Shock absorber<br>spring        |   |
|                                |   | Front wheel /mouting<br>hub     |   |
|                                |   | Front wheel /<br>mounting frame |   |
|                                | HS code   | 87088010                        |   |
| MOQ/MASS Price                 |   |                                 | \$ 460/317  |
| Tires<br>(GA-LT-1)             | Size  | 185/60R14                       |  |
|                                |   | 195/65R15                       |   |
|                                |   | 205/55R16                       |   |
|                                |   | 215/45R17                       |   |
|                                | HS code   | 40112000                        |   |
| MOQ/MASS Price                 |   |                                 | \$ 70/63  |

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## V. Norms and Practice

To improve efficiency and maintain both parties' mutual benefit, you are kindly to read the following norms and practice, which is the integrated part of the agreement we are going to reach.

- 1 Delivery time for standard parts is within 20 days.
- 2 Warranty of driving system is one year. Any damage of the parts by violating the instructions does not belong to the warranty coverage.
- 3 Payment for MOQ ( $\leq 5$  sets) is 100% lump-sum before production, payment beyond MOQ is 30% for prepaid, and balance paid before shipment.
- 4 The actual parts and accessories might be not the same due to the shape of the vehicle, purchased items, country norms, and applicability.
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- 6 Should you ever require assistance or any complaints, all you need to do is to contact our president & global chief service officer (GCSO), Mr. Kevin Wang at kevinwang@greenmotortech.com; or reach his mobile phone at +86 13702349858.
- 7 For more details of our company, please visit <http://www.greenmotortech.com>. Green Motor Technology Co. wish you a safe and pleasant driving trip.