



# The Green Motor Technology Product Portfolio Manual

- 5kw 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



GAEV501

Maximum Speed	24km/h	Vehicle size(L*W*H)	3940*1180*1950mm
Endurance mileage	100km	Seats	6
Unloading weight	700kg	Wheelbase	3150mm
Full loading weight	1340kg	Front wheel tread	680mm
Maximum slope	30%	Rear wheel tread	710mm
Noise	<50dB	Tires	18*8.50-8, 4pcs
Battery	8V170AH*6	Driving system	48V 5kw



GAEV502

Maximum Speed	50km/h	Vehicle size(L*W*H)	3520*1570*1490 mm
Endurance mileage	150km	Seats	4
Unloading weight	1080kg	Wheelbase	2345mm
Full loading weight	1450kg	Front wheel tread	1330mm
Maximum slope	20%	Rear wheel tread	1310mm
Noise	<50dB	Tires	175/60R13, 4pcs
Battery	6V190ah*10	Driving system	60V 5kw

### III. Driving System

Item	Specification		Picture
Motor	Rated power	5kw	
	Battery voltage	48v/60v/72v	
	Rated frequency	95Hz	
	Rated speed	2800RPM	
	Max. speed	7000RPM	
	Speed sensor	64 Pulse signal	
	Protection grade	IP55	
	Insulation grade	H	
	Max.torque	110 N.m	
	Duty	S2-60min	
	Installation size	Tailor made to customer's size	
	Size	Φ205 * 315mm	
	Net weight	36kg	
	Packing	Wooden box	
HS code	85015200		
Controller assembly (Including controller, key switch, stall switch, accelerator, and wire harness)	Rated voltage	48/60/72V DC	
	Working voltage range	65%~135% of rated	
	Rated output current	100A	
	Maximum output current	350A	
	Digital input	8	
	Analog input	2	
	Protection grade	IP65	
	Ambient temperature	-40 ~ 50°C	
	Control mode	Vector control	
	Communication mode	CAN	
	Size (L*W*H)	328*253*113mm	
	Net weight	5kg	
	Packing	Carton	
HS code	85371090		
Rear axle	Ratio	16.9 /12.3/16.2 /17.8/10.6 /8/9/6.5	
	Center distance	72mm	
	Speed capacity	8000RPM	
	Torque capacity	120N.m	
	Noise	≤65dB	
	Length	Tailor made to customer's size	
	Installation size		
	Leaf spring distance		
	Brake style		
	Hub size		
	Est. net weight		
	Packing	Wooden box	
HS code	87085079		

## IV. Optional Parts

Item	Specification		Picture
DC Converter (GA-ZHQ-1)	Input voltage (V)	72/60/48	
	Output voltage(V)	12	
	Protection class	IP68	
	Output current	20A/30A	
	HS code	85044099	
Charger (GA-CDJ-1)	Input voltage (V)	220/110	
	Battery voltage (V)	48/60/72	
	Charging current (A)	25/30/35	
	HS code	85044099	
Dashboard (GA-YB-1)	Output voltage(V)	12	
	Display	Instantaneous current	
		Speed	
		Battery power	
HS code	90329000		
Direction assembly (GA-FX-1)	Include	Steering wheel	
		Light control	
		Horn switch	
		Handbrake	
	HS code	87089490	
Battery pack (GA-DC-1)	voltage(V)	6/8/12	
	Battery capacity(Ah)	175	
	Size(mm)	300*180*180	
	Weight(Kg)	40	
	HS code	85072000	

suspension system (GA-XG-1)	Include	Shock absorber spring	
		Front wheel /mouting hub	
		Front wheel / mounting frame	
	HS code	87088010	
Tires (GA-LT-1)	Size	185/60R14	
		195/65R15	
		205/55R16	
		215/45R17	
	HS code	40112000	

## 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.