e Green Motor Technology Product Portfolio Manual

- 3kw 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 competiton 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



CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Foshan Shunde Green Motor Technology Co., Ltd.

Company Address : #2, 3rd Floor, 3rd Block, Jialiyuan Int'l Industrial Park, No.4, Xingye Road, Shunjiang Community, Beijiao Shunde, Foshan City, Guangdong Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 60034-1:2010, EN IEC 61000-6-1:2019
EN 61000-6-3:2007+A1:2011, EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019

Product Name : Motor

Report No and Date : TLGD21012729078, TEGD21012729079

Product Brand/Model/Type : GEV-J Series (GEV1120MA, GEV1124MA, GEV1125MA, GEV1150MA, GEV1151MA, GEV1152MA, GEV1153MA, GEV1154MA, GEV1155MA, GEV1156MA, GEV1157MA, GEV1158MA, GEV1159MA, GEV1050MA, GEV1130MA, GEV1131MA, GEV1132MA, GEV1220MA, GEV1221MA, GEV1020MA, GEV1021MA, GEV1022MA, GEV1010MA, GEV1012MA, GEV1070MA, GEV1140MA, GEV1141MA, GEV1142MA, GEV1143MA, GEV1144MA, GEV1145MA, GEV1146MA, GEV1147MA, GEV1148MA, GEV1190MA, GEV1210MA, GEV1170MA, GEV1230MA, GEV1033MA, GEV1034MA, GEV1080MA, GEV1081MA, GEV1082MA, GEV1240MA, GEV1041MA, GEV1042MA, GEV1043MA, GEV1044MA, GEV1045MA, GEV1200MA, GEV1204MA, GEV1205MA, GEV1206MA, GEV1207MA, GEV1201MA, GEV1300MA, GEV1301MA, GEV1302MA, GEV1303MA, GEV1304MA, GEV1305MA, GEV1306MA, GEV1307MA, GEV1308MA, GEV1309MA, GEV1400MA, GEV1401MA, GEV1402MA, GEV1403MA, GEV1404MA, GEV1405MA, GEV1406MA, GEV1407MA, GEV1408MA, GEV1409MA, GEV1500MA) YS2108159610J-MPM, HPQ15-96H06-A, 20KW144V, XQY20-320-1H1, 15KW72V, 10KW48V, XQY5-48-H2-DJ

Certificate Number : M.2021.206.C62200
Initial Assessment Date : 02.02.2021
Registration Date : 03.02.2021
Reissue Date/No : -
Expiry Date : 02.02.2026

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Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 62368-1:2020+A11:2020, EN IEC 61000-6-1:2019
EN 61000-6-3:2007+A1:2011, EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019

Product Name : Controller

Report No and Date : TLGD21012729080, TEGD21012729081

Product Brand/Model/Type : GEV Series KCCA0289-0001, KCCA0289-0002, KCCA0292-0001, KCCA0292-0002, KCCA0293-0001, KCCA0293-0002, 200A, 300A, 350A, 400A, 450A, 500A, 550A, 600A, 650A, 700A, 750A, 800A, 850A, 900A, 1000A, 1100A, 1200A

Certificate Number : M.2021.206.C62201
Initial Assessment Date : 02.02.2021
Registration Date : 03.02.2021
Reissue Date/No : -
Expiry Date : 02.02.2026

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II. Typical Electric Vehicle Performance





Maximum Speed	25km/h	Vehicle size(L*W*H)	2300*1200*1680 mm
Endurance mileage	100km	Seats	2~4
Unloading weight	295kg	Wheelbase	1255mm
Full loading weight	500kg	Maximum slope	30%
Noise	<50dB	Tires	18*8.5-8 Steel Rim 4 pcs
Battery	51.5V150AH	Driving system	3kw



GAEV202

Maximum Speed	35km/h	Vehicle size(L*W*H)	2400*1080*1725mm
Endurance mileage	80km	Seats	3
Unloading weight	450kg	Wheelbase	1880mm
Full loading weight	700kg	Front wheel tread	0mm
Maximum slope	20%	Rear wheel tread	1000mm
Noise	<50dB	Tires	145/70R12, 3pcs
Battery	12V100ah*4	Driving system	3kw



Maximum Speed	50km/h	Vehicle size(L*W*H)	2400*1080*1725mm
Endurance mileage	100km	Seats	3
Unloading weight	450kg	Wheelbase	1910mm
Full loading weight	750kg	Front wheel tread	0mm
Maximum slope	20%	Rear wheel tread	1000mm
Noise	<50dB	Tires	145/70R12, 3pcs
Battery	12V120ah*5	Driving system	60V 3kw

III. Driving System

Item	Specification		Picture
Motor	Rated power	3kw	
	Battery voltage	60V 72V	
	Rated Current	92A	
	Rated speed	3000RPM	
	Max. speed	5200RPM	
	Protection grade	IP55	
	Insulation grade	H	
	Max.torque	60 N.m	
	Installation size	Tailor made to customer's size	
	Size	Φ172 * 285.5mm	
	Net weight	13KG	
	Packing	Wooden box	
	HS code	85015200	
Controller assembly (Including controller, key switch, stall switch, accelerator, and wire harness)	Rated voltage	60/72V DC	
	Rated power	3KW	
	Peak power	6KW	
	Protection grade	IP65	
	Ambient temperature	-40 ~ 55℃	
	Control mode	Vector control	
	Size（L*W*H)	245*152*75mm	
	Net weight	3kg	
	Packing	Carton	
	HS code	85371090	

GearBox	Ratio	6:1/8:1/10:1	
	Speed capacity	8000RPM	
	Torque capacity	80N.m	
	Noise	≤65dB	
	Length	Tailor made to customer's size	
	Installation size		
	Leaf spring distance		
	Brake style		
	Hub size		
	Est. net weight	10kg	
	Packing	Wooden box	
	HS code	87085079	
Rear axle	Ratio	6~24	 
	Speed capacity	8000RPM	
	Torque capacity	80N.m	
	Noise	≤65dB	
	Length	Tailor made to customer's size	
	Installation size		
	Leaf spring distance		
	Brake style		
	Hub size		
	Est. net weight	35kg	
	Packing	Wooden box	
	HS code	87085079	

IV. Optional Parts

Item	Spcificatioin		Picture
DC Converter (GA-ZHQ-1)	Input voltage (V)	60/72V	
	Output voltage(V)	12	
	Protection class	IP68	
	Power	500W	
	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)	48V/60V/72V	
	Battery capacity(Ah)	100~300	
	Size(mm)	To Be Discussed	
	Weight(Kg)	To Be Discussed	
	HS code	85072000	

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 (≤5 sets) is 100% lump-sum before production, payment beyond MOQ is 30% for prepaid, and balance paid before sihpment.
4	The actual parts and accessories might be not the same due to the shape of the vehicle, purchased items, country norms, and applicability.
5	Not to be reprinted, translated or otherwise reproduced in whole or in part without written permission from Foshan Shunde Green Motor Technology Co., Ltd. All rights reserved.
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.