

GEI-015



HEV Motor Controller

Specification of GEI-015 PCU

Sectors	Specifications	Remarks
Energy Source	Battery	
Voltage	125VDC ~ 215VDC	
Output Power	Con. 6kW / Max. 15kW[10s]	
Output Current	Con90A / Max 250A(2m)	
Switching Fre.	10kHz	
Max Oper. Fre.	0 ~ 800Hz	
Operating Temperature	-30°C ~ 65°C	
Weight	Under 9.0kg	
Protection Against	Over Voltage/Arm-short circuit Over Current, Over Temperature	
Interface	RS-232 & CAN-BUS	
Motor Control Method	Vector Control with Speed Sensor	Induction Motor
Size	Under 8.0 liter	
Cooling	Air cooling	
Vibration Degree	2G	
Protection Degree	IP55	

GEI-018 & GEI-030



Pure EV Motor Controller

▶ Specification of GEI-018 & GEI-030 PCU

Sectors	Specifications	Remarks
Energy Source	Battery	
Battery Voltage	140VDC ~ 250VDC	
Output Power	GEI-018 : Con. 9kW / Max. 18kW[2 m] GEI-030 : Con. 15kW / Max. 30kW[2 m]	
Max Output Current	GEI-018 : 150A / GEI-030 : 250A	
Switching Fre.	10kHz	
Max Oper. Fre.	0 ~ 400Hz	
Operating Temperature	-30°C ~ 70°C	
Weight	Under 9.2kg	
Protection Against	Over Voltage/Under Voltage Over Current, Over Temperature	
Interface	RS-232 & CAN-BUS	
Motor Control Method	Vector Control with Speed Sensor	Induction Motor
Size	Under 375(W)x319(D)x81(H) mm	
Cooling	Glycol + Water	8liter/min
Vibration Degree	3g	
Efficiency	95%	
Protection Degree	IP65	

GEI-100



PHEV & Pure EV Motor Controller

> Specification of GEI-100 PCU

Sectors	Specifications	Remarks
Energy Source	Battery or Fuel Cell	-
Voltage	Min 240VDC / Max 450VDC	Nominal 380VDC
Output Power	Con. 50kW / Max100kW [2m]	@ 330VDC
Output Current	Con. 240A / Max 450A [2m]	RMS, @330VDC VB
Switching Freq	5kHz	
Max. Oper. Freq	0~ 400Hz	4pole Max 12000rpm
Operating Temp	-40°C ~ 85°C	Under hood
Weight/Size	Under20kG / Under 472x274.5x122mm(WDH)	
Protection Against	OV, UV, OC, OT, Short Circuit	-
Interface	RS-232 & CAN-BUS	
Motor Control Method	Vector Control with Speed Sensor	Induction Motor
Cooling	Glycol + Water : Inlet Temp. / under 65	12liters/min
Vibration Degree	5g	-
Efficiency	95%	
Protection Degree	IP65	-