

ModelType

FarDriverMotor FOC Controller

ModelType GL96490_24_A_H994

Voltage/Power 96V5000W

LineCurr/PhaseCurr 145A/470A

ProductCode:J...0321...0448

CostumCode:GLMorseCode000000

- DateTime

Date:2025-3-5Time:13:33:1

- Parameters

AngleDetect: 0-120°HallTempSensor:5-KTY83-122
PhaseOffset:209PolePairs:4
Motor Direction:1RatedSpeed:3903RPM
RatedVoltage:96VRatedPower:5000W
MaxSpeed:4000RPMBackSpeed:574RPM
MaxLineCurr:145AMaxPhaseCurr:470A
ThrottleResponse:1-SportThrottle Acc Step:128
BoostLineCurr:100ABoostPhaseCurr:490A
PhaseExchange:ECOAccCoeff: 8
Weak Character:0-FastWeakResponse:3
Throttle Dec Step:100Release Throttle:1
Throttle Low:0,8VThrottle High:4,55V

- Ratios in Speed

500RPM 100%1000RPM 100%
1500RPM 100%2000RPM 100%
2500RPM 100%3000RPM 95%
3500RPM 90%4000RPM 85%
4500RPM 1%5000RPM 1%
5500RPM 1%6000RPM 1%
6500RPM 1%7000RPM 1%
7500RPM 1%8000RPM 1%
8500RPM 0%9000RPM 0%
LD:900LQ:329
FAIF:256LimitSpeed:800RPM

- Ratios in Gear

LowSpeedLineRatio: 55%MidSpeedLineRatio: 75%
LowSpeedPhaseRatio: 60%MidSpeedPhaseRatio: 80%
LowSpeed:3000RPMMiddleSpeed:3600RPM

- Energy Regenerate

StopBackCurr:12AMaxBackCurr:20A
Batt RatedCapacity:50AH
FreeThrottle 0Brake Voltage: 0,42V
500RPM -12%1000RPM -12%
1500RPM -12%2000RPM -12%
2500RPM -12%3000RPM -12%
3500RPM -12%4000RPM -12%
4500RPM -12%5000RPM -12%
5500RPM -12%6000RPM -12%
6500RPM -12%7000RPM -9%
7500RPM -6%8000RPM -3%
8500RPM -1%9000RPM 0%

- Functions

Boost Pin: 13-InvalidCruise Pin: 8-PIN17
SideStand Pin: 13-InvalidPause Pin: 0-NC
Forward Pin: 13-InvalidBackward Pin: 4-PIN8
Highspeed Pin: 2-PIN3LowSpeed Pin: 1-PIN2
Charge Pin: 13-InvalidAnti-theft Pin: 6-PIN14
Seat Pin: 13-InvalidSpeedLimit Pin: 0-NC
Switch Voltage Pin: 13-InvalidRepair Pin: 13-Invalid
BoostTime: 10sBoostRelease: 35s
HighLowSpeed:Puse RE:0-Invalid
EmptyRun: 0SlowDown: 4
Gear:1-Default D
Brake:1-StopWhenFloatPC13:1-RaceResponse
Park:2-DisabledFollow:1-Disabled

- Display

Speed Pulses:8	SpdPulseNum:40459
SpeedoMeter:0-Pulse	AnalogSpeedCoeff:10000RPM
CAN: CAN39	CAN Detect: 150ms
CAN Baud:0-250K	TorqueCoeff: 748
Step:1-0.9ms	Stop:2-124ms
SpecialFrame: 0	PULSE: 0
SQH: 0	DATA0: 8
DATA1: 97	SEC0: 0
SEC1: 0	SEC2: 0
SEC3: 0	SEC4: 0
SEC5: 0	SEC6: 0
SEC7: 0	PPosition: 1
BCPosition: 0	HbarPosition: 0
FDPosition: 8	CurrentCoeff: 64
ByteOption:0	WheelWidth: 120
WheelRatio: 70	WheelIR: 12
GearRatio: 4	

- Protect

OverVolProtect:121,5V	OverVolRestore:119,5V
LowVolProtect:85V	LowVolRestore:87V
MotorTempProtect:160°C	MotorTempRestore:140°C
ControllerTempProtect:100°C	ControllerTempRestore:80°C
0 BattCoeff:820	Full BattCoeff:1170
ThrottleLost:0-Inval	ThrottleInsert: 256
BackP_Time:18-240s	ReleaseToSeat: 2s
BlockTime: 50s	ParkTime: 10s
LmtSpdStartCap: 0	LmtSpdMinCap: 0
LmtSpdMaxCoeff: 128	TurtleSpeedCurrCoeff: 53
BattSignal:3-Lithium Battery	LowVol Way: 1-Vol4V
IntRes:32	TempCoeff:300

- PID Paras

AN:4	LM:15de-DE
StartKI:8	StartKP:0
MidKI:11	MidKP:80
MaxKI:16	MaxKP:120
SpeedKI:9	SpeedKP:10
MOE:0-Enable	CurveTime 100ms

- Product

ReCurrRatio: 128	FwReRatio: 64
VolSelectRatio: 106	WeakCurrCoeff: 64
Re Acc: 64s	AlarmDelay: 500
RelayDelay:21623ms	RelayOut: 0
BCEnable: 1	SeatEnable: 1
PEnable: 1	AutoBackPEnable: 0
CruiseEnable: 1	EABSEnable: 1
PushEnable: 1	ForseAntiTheft: 0
OverSpeedAlarm: 0	BrakeStillPark: 0
RememberGear: 1	BackEnable: 1
RelayDelay1S: 0	OSpeedSwitch: 0-Invalid
StartIs: 16	FollowSpeed: 0rpm
Curr-Anti-theft:0-Invalid	Anti-theft Pulse:0-Invalid
Temp 70: 0	Fast RE: 0
InverseTime: 36	SlowDownRpm: 512
SlowDownCoeff: 10	RXD:0-AF
LearnThrottle: 24	LearnVolLow:18432
LearnVolHigh:24320	
DeepWeak: 0-Normal	Protocol485: 0

- FixedParas

LineCurrCoeff:439	BattVoltage:256
PhaseCoeffA:273	PhaseCoeffB:273
PhseAZero:2007	PhaseCZero:2008
TempCoeff:300	VoltageCoeff:256
Save Times:210	