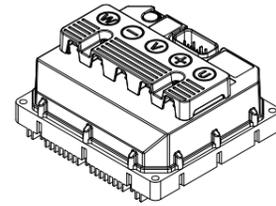


MAIN CHARACTERS			
Rated invert capability 30 minutes continue	7~18KVA Variable radiator	Max. invert capability 60 seconds continue	44KVA Under good heat dissipation condition
DC input capability	500A	Control mode	FOC SVPWM
Invert efficiency Max	99%	Communication	CANBUS
Host software	Windows/Android/ios	Debug Interface	Usart, BlueTooth
Ambient temperature	-40~55℃	Altitude	4000m
Protect grade	IP67	Weight	2.7kg@7.5KVA
Protection	LVP, OVP, OCP, Temperature monitor, Short Circuit protect		

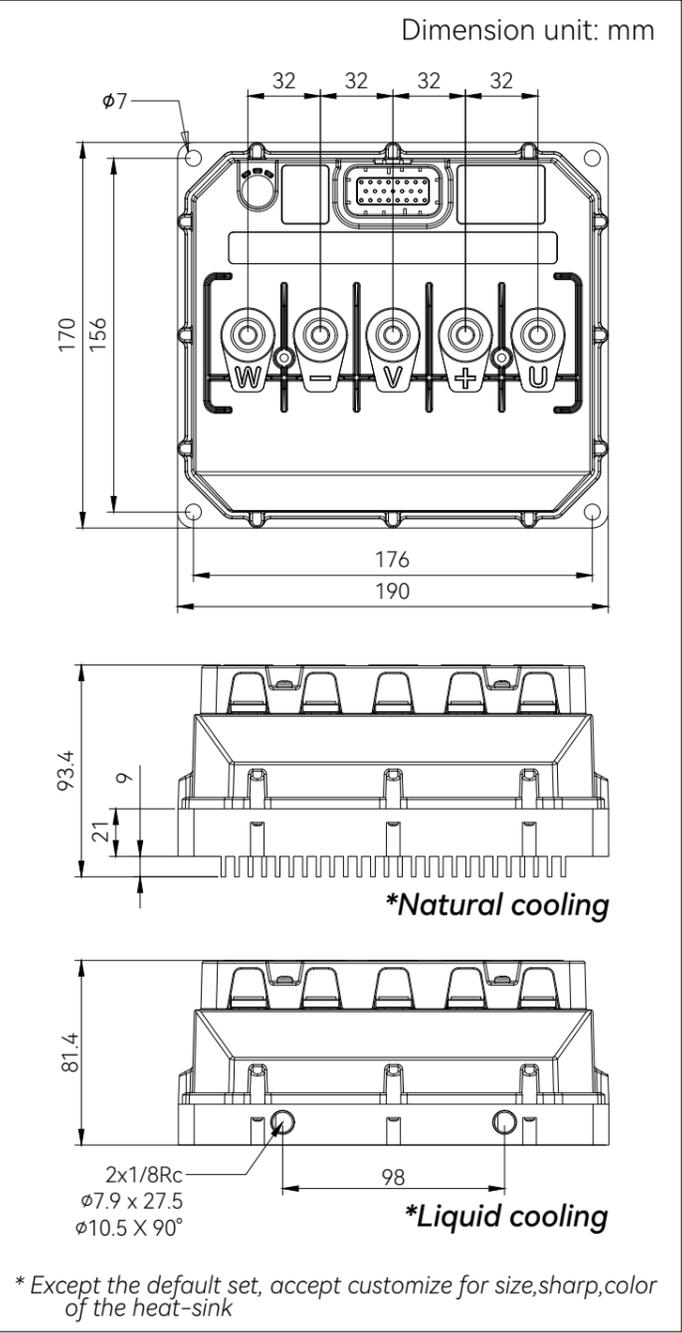
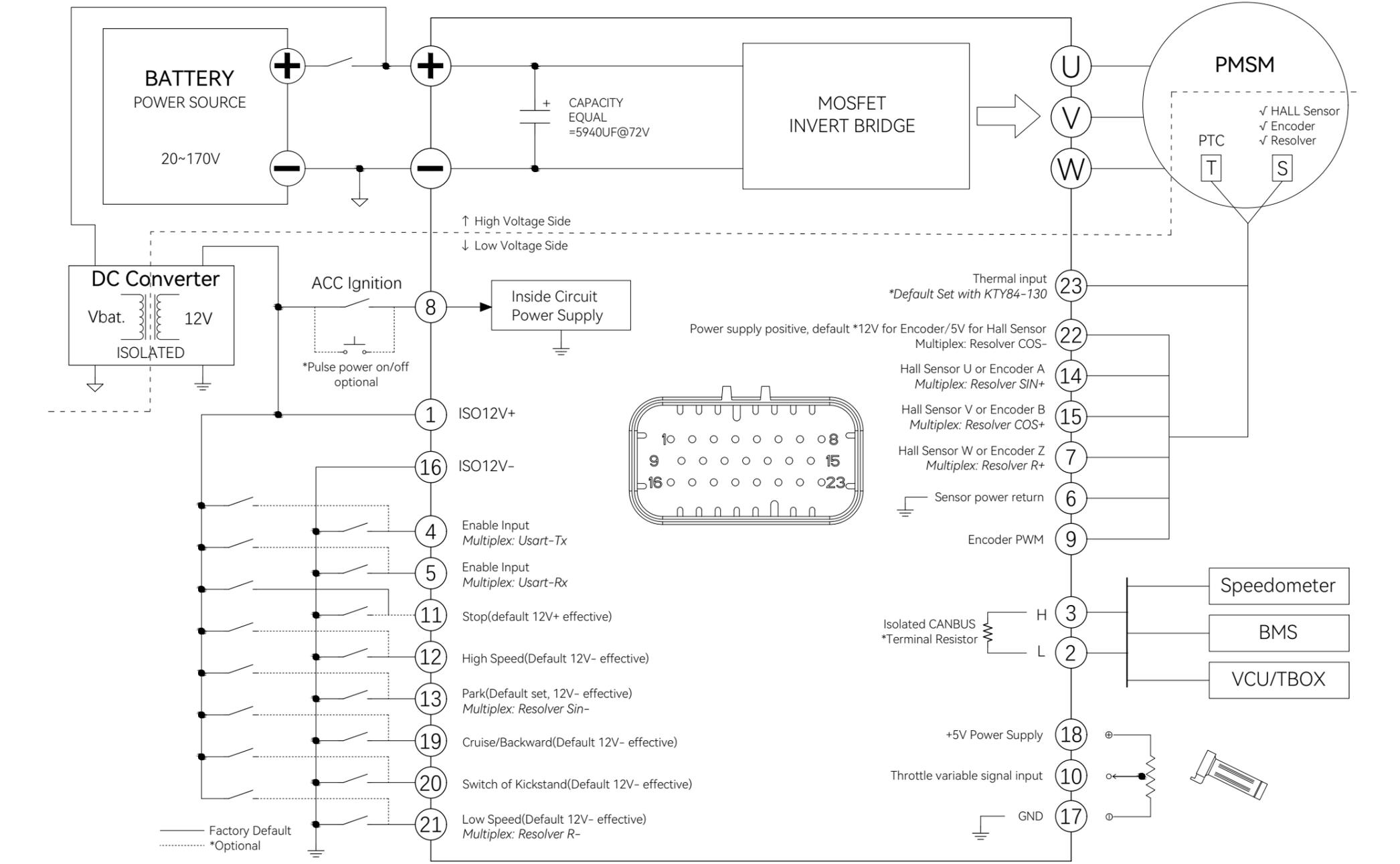
AVAILABLE MODELS FOR ORDERING					
Model	Rated Voltage	Safe Voltage	AC Current limit	DC Current Limit	*NOTES for Optional
A8.72S	72V	<90V	600A	200A	1. CANBUS Terminal Resistor 2. Hall sensor/Encoder/Resolver 3. (If)Encoder power supply 5V/12V 4. Thermistor model 5. Nature cooling/liquid cooling/customize 6. Electric level of Control port 7. Control port defination customize 8. Ignition constant or one key on/off
A8.72M	72V	<90V	700A	240A	
A8.72L	72V	<90V	800A	270A	
A8.72U	72V	<90V	1000A	350A	
A8.96M	96V	<120V	700A	250A	
A8.120M	120V	<35V	600A	200A	
A8.144M	144V	<170V	450A	150A	

# A8 VER.2209

## PMSM & BLDC DRIVER UP TO 30kW



- FOC Control
- SVPWM SINEWAVE
- DTC & MTPA
- BLUETOOTH EXTEND
- ISOLATED CANBUS
- 100% AGING TEST
- SLIM SIZE
- IP67 PROTECT



Font Usage Statement:  
This document adopts the open-source HarmonyOS Sans font, which complies with the SIL Open Font License 1.1 (OFL-1.1).

Version	YY-MM-DD	Design	Confirm	Content updated



Draw: 技术中心, 2025.11.27, 袁明敏  
 Reviewer:    
 Approver: 技术中心, 2026.01.06, 薛晗

Name	Specification of A8		
FILE ID.	APT2209.A0.00E.V1.96	Page	1