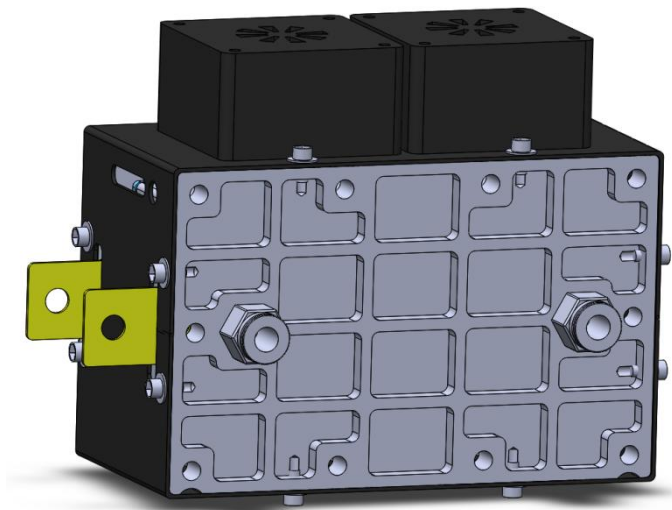


Product specification

1、Product model

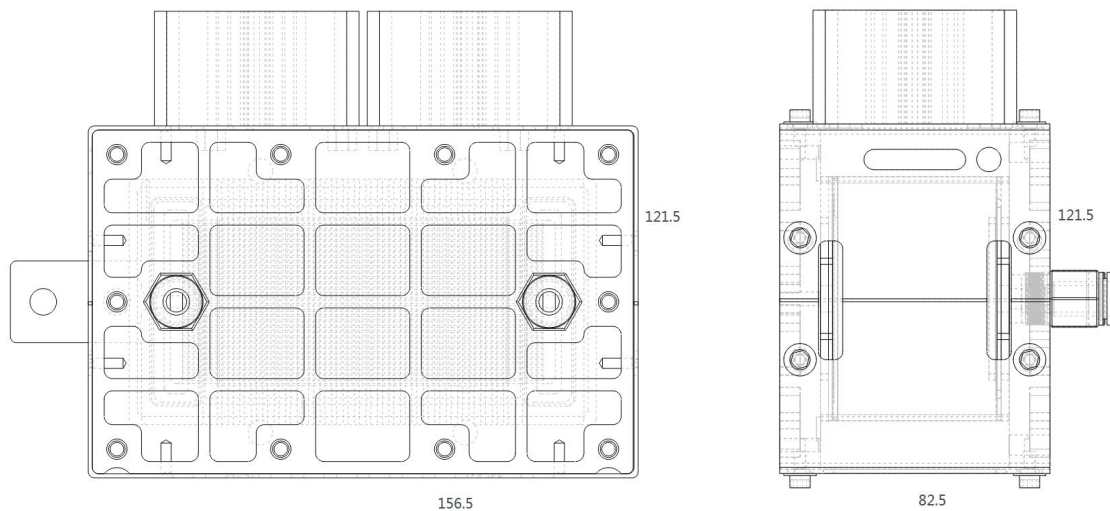
T-ALF-80W

2、Product drawing



3、Size:

156.5*121.5*82.5 (mm)



4、T-ALF-80W Fuel cell stack parameters

(1) T-ALF-80W Fuel cell stack parameters

80W Fuel cell stack parameters		
Module	Project	Performance parameter
Performance	Rated voltage	9.6V
	Rated current	8.3A
	Starting temperature	0~45℃
	Dc voltage range	8~16V
	Operating temperature	约 50℃
	Efficiency	≥45% (ideally)
Fuel	Hydrogen pressure	0.035~0.050MPa
	Hydrogen purity	≥99.99% (CO≤1PPM)
	Rated power theoretical hydrogen consumption	1.8 L/min
Oxidant/coolant	Air	
	Air pressure	Normal pressure
	Nominal power theoretical air consumption	60 L/min
Environmental characteristics	Operating ambient temperature	-5~45℃
	Ambient humidity	10%~95%
	Storage ambient humidity	-10%~75%
Interface information	Pole ear aperture	6mm
	Inlet pipe joint	G1/4 pipe thread with outer diameter 10mm straight through quick insert
	Outlet pipe joint	G1/4 pipe thread with outer diameter 6mm straight through quick insert

Material information	End plate	Aluminium alloy 7075
	Plate material	Graphite
	Other	Proton exchange membrane, GDL, platinum-carbon catalyst, etc
Other	Noise	≤40dB
	MEA component quantity	16 PCS
	Accessories	Fan, exhaust valve, interface, temperature sensing line, voltage inspection line
	Product service life	About 2300h