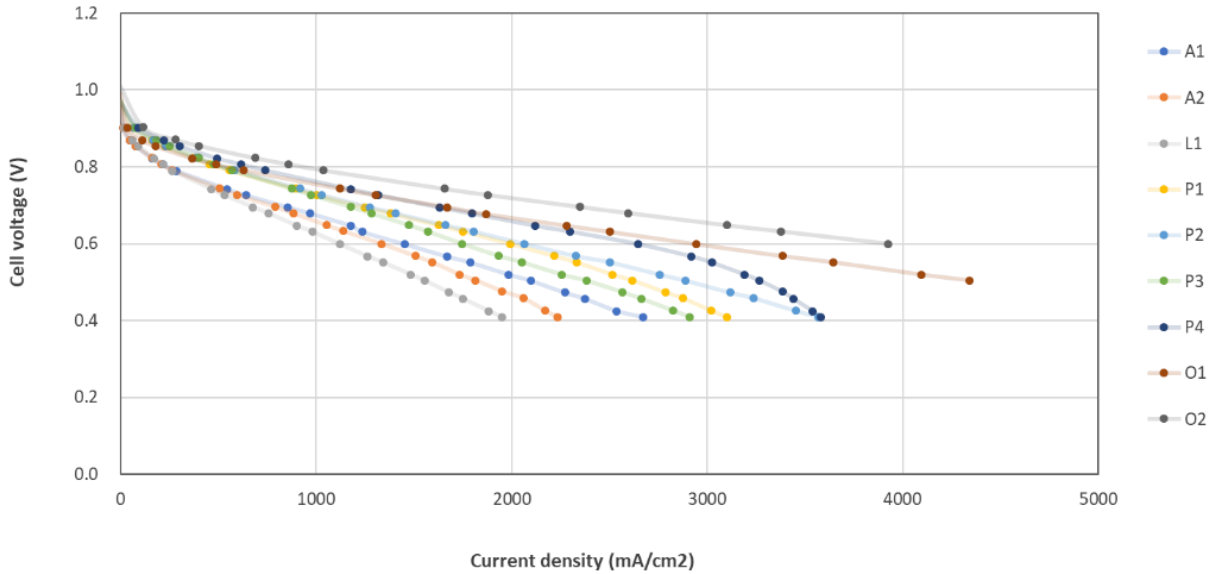


Yangtze In-House MEA Technical Data Sheet

Polarization Curves Sheet

Polarization curves of FC-MEA-T at various operation conditions
(MEA Lot: 0000619011)



Operation Conditions

No.	Code	Cell Temp (°C)	Anode	Cathode
1	A1	70	H ₂ , 100%RH, 1.2 stoic, ambient pressure	air, 100%RH, 2.4 stoic, ambient pressure
2	A2	80	H ₂ , 100%RH, 1.3 stoic, ambient pressure	air, 100%RH, 2.0 stoic, ambient pressure
3	L1	55	H ₂ , dry, 1.2 stoic, ambient pressure	air, dry, 2.0 stoic, ambient pressure
4	P1	80	H ₂ , 33%RH(55°C), 1.3 stoic, 50kPa (7.25 psi)	air, 33%RH(55°C), 2.0 stoic, 50kPa (7.25 psi)
5	P2	75	H ₂ , 60%RH(63°C), 1.5 stoic, 70-100kPa (10.2 psi~)	air, 60%RH(63°C), 2.5 stoic, 70-100kPa (10.2 psi~)
6	P3	70	H ₂ , 60%RH(58°C), 1.2 stoic, 80kPa (11.6 psi)	air, 60%RH(58°C), 2.0 stoic, 70kPa (10.2 psi)
7	P4	90	H ₂ , 85%RH(84°C), 2.0 stoic, 150 kPa (=21.8 psi)	air, 85%RH(84°C), 2.5 stoic, 150 kPa (=21.8 psi)
8	O1	70	H ₂ , 100%RH, 1.2 stoic, ambient pressure	O ₂ , 100%RH, 1.2 stoic, ambient pressure
9	O2	70	H ₂ , 100%RH, 1.2 stoic, 5 psi	O ₂ , 100%RH, 1.2 stoic, 5 psi

※The performance of MEAs depends very much on the choice of GDLs, the testing hardware, and the operation conditions. Therefore, the shown data should not be used for specification purposes.