From any one's 2°C freezer stock:
Free, Uncovered Bacterium

+ RNA

+ plasmid (transformed in) with pyrrole synthese gene and pyrrole transport receptor for cell wall

Bacterium expresses pyrrole's dedicated transmembrane receptor (and pyrrole)

And RNA polymerase & Ribosomal machinery to express pyrrole/polymer in cell and passively actively is transported to membrane & exits cell (secretion)

Grow Bacteria w/ media
Incubate & Shake

Floor with bacteria or if in shaker, all lysates supernatant in medium; either way should be filtered during centrifugation step using spin columns, such as 2 nm nanoporous membrane (200 nm)

Combine lots of juice:
& Pour juice

Battery layer/Sheet (per sheet # sheets per battery?)

Polymerization (by organic synthesis? or other method)

Prepare for polymerization step:

After polymerization, seal battery (add cathodes & anodes)

Use RepRap to print w/ PLA or other shell plastic as seal cover (needs to handle battery temp lower density = lower temp)

Stack in deck:

Amps ↑ cost ↓ KWh ↑