



sungreen^{H₂}

DATASHEET SUNGREENH2 20kW AEM ELECTROLYZER CUBE



| | |
|----------------------------------------------|-----------------------------------------------|
| Production Rate | 4.67NM3/hr (10kg /day) |
| Hydrogen Purity (Without Purifier) | 99.0% |
| Hydrogen Purity (With Purifier) | 99.999% |
| Output Pressure | <10 Bar |
| Efficiency (HHV) | 87.5% |
| Stack Energy Consumption (per kg H2) | 45 kWh/kg |
| System Energy Consumption (per kg H2) | 50 kWh/kg |
| Power Supply | 3 Phase 400 VAC 50/60 Hz |
| Minimum water input quality | ASTM D1193-06 Type III, Recommended Type I |
| Water Consumption | <5 L/hr |
| Water Input Pressure | 1-4 barg |
| Ambient Operating Temperature | 5-45 °C |
| Stack Operating Temperature | 60-70 °C |
| Dimensions | 10ft ISO Container |
| Cold Start Time* | Instant |
| Hot Start Time | Instant |
| Turn Down Ratio | 10% |
| Turn Up Ratio^ | 200% |
| Electrolyte | 1M KOH (5.34wt%) |
| Catalyst | PGM-Free Material |

*Max performance achieved at 70°C

^ Efficiency will reduce at 200% turn up ratio