

HTE specifications for coupling with a) Nuclear power plants and b) Renewable energy sources (wind turbines)

| | Nuclear | | Wind | |
|-------------------------|---------------------------------|--------|----------|-----------|
| | Short | Medium | Short | Medium |
| Degradation (μ/h) | 10 | 5 | 15 | 5 |
| | 0,7% per 1000hrs at 1.5V | | | |
| Lifetime (hrs) | 10 000 | 20 000 | 16 000 | 40 000 |
| Thermal cycles/year | 2 | 5 | 7 | 14 |
| Voltage/cell (V) | 1.5 | 1.45 | 1.7 | 1.55 |
| Current (A/cm^2) | 1.5 | 2.0 | 1.0 | 1.5 |
| Pressure max (bar) | 50 | 50 | 20 | 30 |
| Active Area (cm^2) | 400 | 800 | 300 | 600 |
| Start up from 600 C | < 4 h | < 4h | < 2 | < 1h |
| Turn down to 20 % | ? | ? | < 2 min. | < 30 sec. |