

Innovative ECA for ribbon bonding on crystalline cells

用于粘接焊带和 电池片的新型导电胶

Advantages

- ✓ Low temp. curing
- ✓ Fast curing
- ✓ Lead-free
- ✓ 2-part product
- ✓ No bus bars needed
- ✓ Screen printing

Benefits

- low stress
- cycle time = soldering
- RoHS compliant
- No frozen logistics
- Cost saving potential
- Flexible cell designs

特点

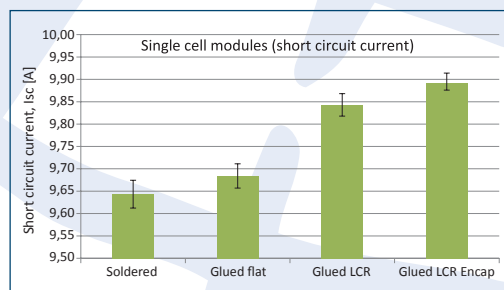
- ✓ 低温固化
- ✓ 快速固化
- ✓ 无铅
- ✓ 双组份
- ✓ 电池片无需主栅
- ✓ 可丝网印刷

利益

- 无热应力
- 工序时间等同焊接
- 符合RoHS标准
- 不需要低温运输
- 降低成本
- 可用于柔性电池

Performance

+2% power compared to soldering



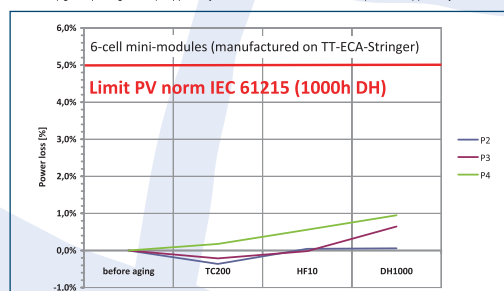
* LCR (light capturing ribbon) supplied by Ulbrich of Austria GmbH / Encapsulant supplied by Isovoltaic

性能

粘接方案使电池效率提升2%

Reliability

< 1% Pmpp loss after TC200 + HF10 and 1000h DH



可靠性

经过TC200+HF10和1000小时DH后，Pmpp损失小于1%

Stringing-Process

- | | |
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| <ul style="list-style-type: none"> ▪ Curing temperature of 180°C ▪ short cycle times (2,5sec) ▪ 1400 cycles / hour possible ▪ Mono- / polycrystalline cells w/o busbar ▪ long adhesive pot life | <ul style="list-style-type: none"> ▪ 固化温度为180°C ▪ 节拍短(2,5秒) ▪ 生产节拍1400次 / 小时 ▪ 可用于单/多晶，有/无主栅电池 ▪ 生产保质期长 |
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串接工艺