



Polymere Technologien

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
- → 可用干柔性电池

Performance

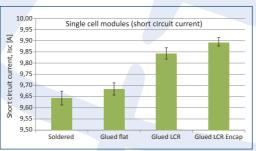
Reliability

1000h DH

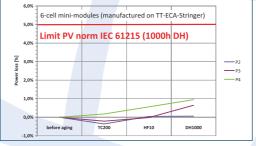
+2% power compared to soldering

< 1% Pmpp loss after

TC200 + HF10 and



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



Stringing-Process

- Curing temperature of 180°C
- short cycle times (2.5sec)
- 1400 cycles / hour possible
- Mono- / polycristalline cells w/o busbar
- long adhesive pot life
- 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

性能

粘接方案使电池效率提升2%

可靠性

经过TC200+HF10和1000小 时DH后, PmPP损失小于 1%

串接工艺

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