Best Research-Cell Efficiencies

Multijunction Cells (2-terminal, monolithic)
- LM = lattice matched
- IMM = inverted, metamorphic
- Three-junction (concentrator)
- Three-junction (non-concentrator)
- Two-junction (concentrator)
- Two-junction (non-concentrator)
- Four-junction or more (concentrator)
- Four-junction or more (non-concentrator)

Single-Junction GaAs
- Single crystal
- Concentrator
- Thin-film crystal

Crystalline Si Cells
- Single crystal (concentrator)
- Single crystal (non-concentrator)
- Multicrystalline
- Silicon heterostructures (HT)
- Thin-film crystal

Thin-Film Technologies
- CIGS (concentrator)
- CdTe
- Amorphous Si:H (stabilized)
- Perovskite/Si tandem (monolithic)
- Organic cells
- Organic tandem cells
- III-V Inorganic cells (CZTSSe)
- Quantum dot cells (various types)
- Perovskite/CIGS tandem (monolithic)

Emerging PV
- Dye-sensitized cells
- Perovskite cells
- Inorganic cells (CZTSSe)
- Quantum dot cells (various types)
- Perovskite/CIGS tandem (monolithic)
- Thin-film crystal
- Solar heterostructures (HIT)
- Multicrystalline
- Single crystal (non-concentrator)
- Single crystal (concentrator)