

Photovoltaic Technology	Photovoltaic Efficiency, %			Flexibility	Remarks
	*Record Cell	*Record Module	Typical Module		
Crystalline Silicon					
Single Crystalline Silicon	24.7	22.7	12-14	Rigid	<ul style="list-style-type: none"> Fully Mature Technology Further Reduction in Price or Increase in Performance Difficult
Polycrystalline Silicon	20.3	15.3	10-12	Rigid	<ul style="list-style-type: none"> Similar to Single Crystalline Silicon
String Ribbon Silicon	16.6	8.2		Rigid	<ul style="list-style-type: none"> Similar to Single Crystalline Silicon
Thin-Film					
Amorphous Silicon	12.7	N/A	5-6	Rigid/ Some Flexible	<ul style="list-style-type: none"> Requires Hazardous Gases Low Performance No Clear Pathway to Increase Efficiency Exhibits Instability
Multi-Junction Amorphous Silicon	12.4	10.4	6-8	Rigid	<ul style="list-style-type: none"> Similar to Amorphous Silicon
Cadmium Telluride	16.5	10.7	7-8	Rigid	<ul style="list-style-type: none"> Toxicity of CdTe is an Issue No Clear Pathway to Increase Efficiency Requires Superstrate Configuration
crystalline-Copper Indium Gallium diSelenide (<i>c-CIGS</i>)	19.2	13.4	9-11	Global Solar is Flexible	<ul style="list-style-type: none"> Economical Material and Processes Highest Performance Thin Film Clear Pathways to Improve Performance Compatible with Flexible Substrates and Economical Roll-to-Roll Processing