

Monocrystalline vs. Polycrystalline

SOLAR PANEL COMPARISON

Monocrystalline



MORE EFFICIENT

Have higher efficiency rates since they are made out of the highest-grade silicon; they are also more space efficient



LIVE LONGER

Most manufacturers guarantee these panels to last over 25 years



MORE EXPENSIVE

These panels are not as affordable as other options



MORE WASTE

The process to make these panels generates more silicon waste



BETTER WITH LOW LIGHT

Tend to perform better than other options in low-light conditions

Polycrystalline



LESS EFFICIENT

Used with less pure silicon, the panels are less efficient; these also require more space



SHORTER LIFE

Heat can contribute to this shorter lifespan



LESS EXPENSIVE

These are more affordable than monocrystalline photovoltaic panels



LESS WASTE

The process to make these panels generates less silicon waste than is generated with monocrystalline panels



BETTER IN SHADE

These panels can still perform well in shady conditions