



## ALIGN X SOLAR

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### Solar Panels:

Introduction – Our philosophy on the selection of panels is to firstly select panels that have a very strong warranty behind them. As such we tend to select LG or Solar World panels. With a 25 year production warranty (with degradation allowances) – one wants a strong company there is any of this needs to be acted upon.

Having said that, the technology is fairly advanced and if one wanted to take the risk – there are many less expensive panels to be considered. However, we still believe for the overall effort that goes into acquiring a system – going for stronger company is a better bet.

Our second point in panel selection is to choose the panels that may not be at the cutting edge of development as those tend to be priced at a premium. We choose the panels that are at the best combination of technology and price / watt. This always pre-supposes one has enough real estate to deploy these on. Sometimes the higher wattage panels are better to reduce the footprint for what is needed.

On residential systems 60 cell panels are usual. While on commercial Projects the 72 cell panels are preferable – depending on the deployment constraints.

LG Panels (examples) These are current however will change with time;

LG300S1C-A5 - <http://www.lg.com/us/business/solar-panel/all-products/lg-LG300N1C-A3>

LG320N1C-G4 - <http://www.lg.com/us/business/solar-panel/all-products/lg-LG320N1C-G4>

LG335N1C-A5 - <http://www.lg.com/us/business/solar-panel/all-products/lg-LG335N1C-A5>

Some less expensive examples:

JINKO JKM290M-60 - <http://www.jinkosolar.com/ftp/EN-300M-60-PERC.pdf>

CASOL CS6K-275M -  
[http://www.canadiansolar.com/downloads/datasheets/na/Canadian\\_Solar-Datasheet-CS6KM\\_SmartDC\\_v5.4na.pdf](http://www.canadiansolar.com/downloads/datasheets/na/Canadian_Solar-Datasheet-CS6KM_SmartDC_v5.4na.pdf)

Please see these panels as examples of what we use in terms of our philosophy – we are open to use any panels our clients may prefer.