

**World-Class
Energy Yield**



Desert Knowledge Australia Solar Centre (DKASC)

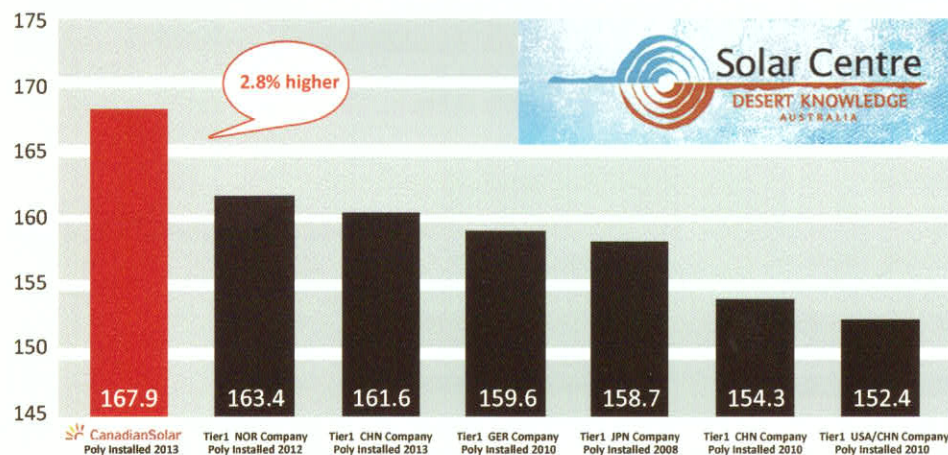
The DKASC is a demonstration facility for commercialised solar technologies operating in the arid conditions of Alice Springs, Central Australia. The Solar Centre promotes understanding and confidence in solar technologies, and provides the industry with long term system level data, showing the reliability of solar generators in an Australian context.

The DKASC was completed with funding from the Australian Federal Government through the Department of Environment, Water, Heritage and the Arts (administered by the NT Government's Renewable Remote Power Generation Program).

1 Year Overview - Measured Output 13 Oct 2013 to 12 Oct 2014.



Monthly Energy Yield from September 2013 to August 2014 (kWh/kWp/month)



Canadian Solar panels are consistently outperforming competitors in quality and energy performance.

Desert Knowledge Australia, the Australian Government, the Northern Territory Government and the project managers, CAT Projects do not endorse, and accept no legal liability whatsoever arising from or connected to, the outcomes and conclusions associated with the use of data from the Desert Knowledge Australia Solar Centre.



Average daily energy output for period ending 1/12/2013

32	Polycrystalline Silicon, Canadian Solar	1
	31.03 kWh	
	Installation date 16/07/2013	
25	Polycrystalline Silicon, Q-Cells	2
	30.41 kWh	
	Installation date 01/03/2010	
34	Polycrystalline Silicon, Winaico	3
	30.59 kWh	
	Installation date 26/10/2012	
33	Polycrystalline Silicon, REC	4
	30.1 kWh	
	Installation date 12/11/2012	
13	Monocrystalline Silicon, Trina	5
	27.67 kWh	
	Installation date 08/01/2009	

Average daily energy output for period ending 1/6/2014

32	Polycrystalline Silicon, Canadian Solar	1
	27.39 kWh	
	Installation date 16/07/2013	
25	Polycrystalline Silicon, Q-Cells	2
	26.97 kWh	
	Installation date 01/03/2010	
33	Polycrystalline Silicon, REC	3
	26.72 kWh	
	Installation date 12/11/2012	
34	Polycrystalline Silicon, Winaico	4
	26.61 kWh	
	Installation date 26/10/2012	
13	Monocrystalline Silicon, Trina	5
	22.79 kWh	
	Installation date 08/01/2009	

Average daily energy output for period ending 1/10/2014

32	Polycrystalline Silicon, Canadian Solar	1
	34.63 kWh	
	Installation date 16/07/2013	
25	Polycrystalline Silicon, Q-Cells	2
	34.28 kWh	
	Installation date 01/03/2010	
34	Polycrystalline Silicon, Winaico	3
	34.25 kWh	
	Installation date 26/10/2012	
33	Polycrystalline Silicon, REC	4
	34.05 kWh	
	Installation date 12/11/2012	
13	Monocrystalline Silicon, Trina	5
	30.62 kWh	
	Installation date 08/01/2009	

CANADIAN SOLAR MODULES ARE RANKED HIGHEST IN THE PTC RATING

Canadian Solar PV modules deliver up to 6.4% higher energy yield in the PTC rating (USA). Among all poly-c Si PV modules Canadian Solar PV panels are ranked highest in the PTC rating, bringing our clients a higher energy output and a faster return of investment.

PTC stands for PVUSA Test Condition, established by the California Energy Commission (CEC). The PTC rating is generally recognised as a more realistic measure of PV output because the test conditions better reflect "real world" solar and climatic conditions, compared to the STC rating, see more at <http://www.gosolarcalifornia.ca.gov/about/index.php>

250W PTC Rating 60 Cells Poly Modules

Canadian Solar CS6P-250P	91.84%
Yingli YL250P-29b	90.48%
Trina TSM-250PA05.28	91.00%
Jinko JKM250P-60	91.84%
Renesola JC250M-24/Bbv	89.68%

255W PTC Rating 60 Cells Poly Modules

Canadian Solar CS6P-255P	91.88%
Yingli YL255P-29b	90.51%
Trina TSM-255PA05.28	91.06%
Hanwha HSL60P6-PB-4-255TW	89.73%
Jinko JKM255P-60	90.27%
Renesola JC255M-24/Bbv	91.52%

260W PTC Rating 60 Cells Poly Modules

Canadian Solar CS6P-260P	91.96%
Trina TSM-260PA05.28	91.12%
Renesola JC260M-24/Bbv	89.81%

300W PTC Rating 72 Cells Poly Modules

Canadian Solar CS6X-300P	91.87%
Yingli YL300P-35b	90.23%
Trina TSM-300PA14.18	91.50%
Hanwha HSL72P6-PB-4-300TW	89.40%
Jinko JKM300P-72	90.27%
Renesola JC300M-24/Abv	89.90%

305W PTC Rating 72 Cells Poly Modules

Canadian Solar CS6X-305P	91.90%
Yingli YL305P-35b	90.30%
Trina TSM-305PA14.18	90.56%
Hanwha HSL72P6-PB-0-305TW	89.74%
Jinko JKM305P-72	90.30%
Renesola JC305M-24/Abv	89.93%

310W PTC Rating 72 Cells Poly Modules

Canadian Solar CS6X-310P	91.94%
Trina TSM-310PA14.18	90.58%
Hanwha HSL72M6-HB-4-310TW	89.16%
Renesola JC310M-24/Abv	89.97%

Company/Module type	PTC Rating	Watt@PTC
Canadian Solar CS6P-250P	91.84%	229.6
Yingli YL250P-29b	90.48%	226.2
Trina TSM-250PA05.28	91.00%	227.5
Jinko JKM250P-60	91.84%	229.6
Renesola JC250M-24/Bbv	89.68%	224.2

Canadian Solar CS6P-255P	91.88%	234.3
Yingli YL255P-29b	90.51%	230.8
Trina TSM-255PA05.28	91.06%	232.2
Hanwha HSL60P6-PB-4-255TW	89.73%	228.8
Jinko JKM255P-60	90.27%	230.2
Renesola JC255M-24/Bbv	91.52%	228.8

Canadian Solar CS6P-260P	91.96%	239.1
Trina TSM-260PA05.28	91.12%	236.9
Renesola JC260M-24/Bbv	89.81%	233.5

Canadian Solar CS6X-300P	91.87%	275.6
Yingli YL300P-35b	90.23%	270.7
Trina TSM-300PA14.18	90.50%	271.5
Hanwha HSL72P6-PB-4-300TW	89.40%	268.2
Jinko JKM300P-72	90.27%	270.8
Renesola JC300M-24/Abv	89.90%	269.7

Canadian Solar CS6X-305P	91.90%	280.3
Yingli YL305P-35b	90.30%	275.4
Trina TSM-305PA14.18	90.56%	276.2
Hanwha HSL72P6-PB-0-305TW	89.74%	273.7
Jinko JKM305P-72	90.30%	275.4
Renesola JC305M-24/Abv	89.93%	274.3

Canadian Solar CS6X-310P	91.94%	285
Trina TSM-310PA14.18	90.58%	280.8
Hanwha HSL72M6-HB-4-310TW	89.16%	276.4
Renesola JC310M-24/Abv	89.97%	278.9