

SPECIFICATIONS CONFIGURATION PERFORMANCE AND PRICING 25KW to 200KW COMMERCIAL GRID TIE PV SYSTEMS JUNE 2018

- Effective Energy Efficiency Strategies for Medium Industrial Power Uses
- Direct Grid-Tie Solar Power Systems



Tier 1 Solar Panel Arrays

NRS97 Certified

Quality Independent

Grid Tie Inverters

Industrial Power

PRICING PERFORMANCE AND PAYBACK

	Inverter	PV Panel make In watts	System Kilo Watt Peak (KWP)		VAT Inclusive	Yeild kw hours per day	Electricity Rate per KWH	KWH Savings/ day	Pay in years	ROI	Cost/ watt
Commercial											
SYSTEM COST											
25kw	SMA STP 25000TL30 /Cluster controler + Energy meter	Canadian 330	25080	R288 647	R331 943.51	122	1.3	158.78	5.0	20.08%	11.51
50kw	SMA CORE-1 STP 50-40 /Cluster controler + Energy meter	Canadian 330	50160	R528 916	R608 253.40	244	1.3	317.56	4.6	21.91%	10.54
100kw	SMA CORE-1 STP 50-40 / Cluster controler + Energy meter	Canadian 330	100320	R1 001 723	R1 151 980.98	489	1.3	635.13	4.3	23.14%	9.99
85.8kw	Sungrow SG 80KTL	Canadian 330	85800	R793 785	R912 853.19	418	1.3	543.2	4.0	24.98%	9.25
171.6kw	Sungrow SG 80KTL	Canadian 330	171600	R1 561 295	R1 795 489.43	836	1.3	1086.4	3.9	25.40%	9.10
39,9kw	Huawei SUN2000 36KTL 36kW 3phase inverter (no LCD)	Canadian 330	39930	R395 300	R454 595.26	194	1.3	252.8	4.3	23.34%	9.90

Please Note As of January 2016 Section 12b of the Income Tax Act was amended from a 3 year (50%-30%20%)accelerated depreciation allowance on renewable energy Projects to an even quicker allowance of ONE Year(100%)!



PV ARRAY SIZING SPECS

		System Size	System Size	System Size	System Size
		25KW	50KW	100KW	200KW
Peak KW		25080KWP	50160KWP	100320 KWP	202KWP
Annual PV Production		45MWH	90MWH	180 MWH	360 MWH

Panel Type		325W	325W	325W	325W
No Of Panels		77 panels	154 panels	308 panels	616 panels
Panel Size		992mm x 1956	992mm x 1956	992mm x 1956	992mm x 1956
Approx Roof Area Req		192SQM	385SQM	660SQM	1400SQM
Panel Weight		26.5KG	26.5KG	26.5KG	26.5KG
Total Weight		2100KG	4200KG	8200KG	16400KG
Weight per SQM		10KG	10KG	10KG	10KG

Roof Attachment		Klip Lock	Klip Lock	Klip Lock	Klip Lock
Inverters		1 x SMA STP25000	1 X SMA CORE 50	2 X SMA CORE 50	4 X SMA CORE 50

NOTE:

Approximate Sizing based on standard installation.

Roof structure and Location may alter the panel layout and production