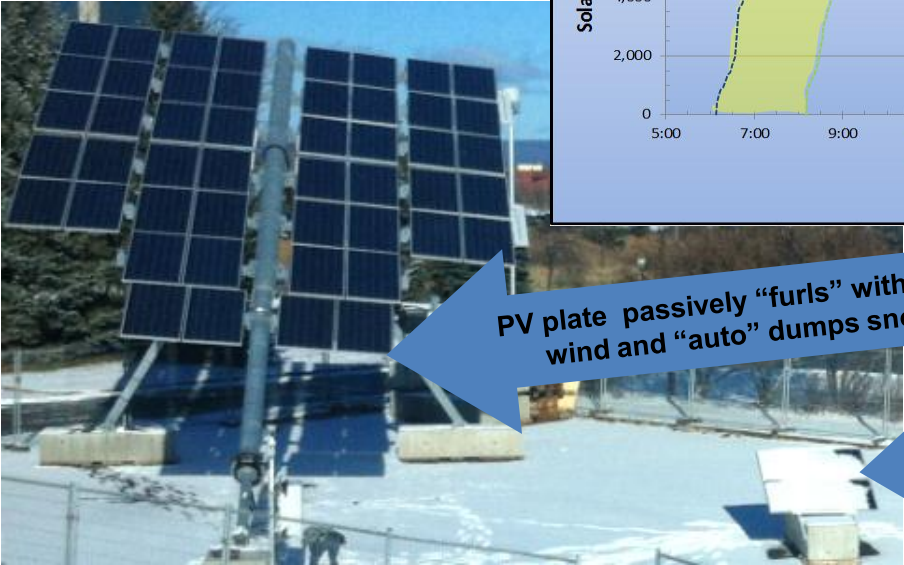
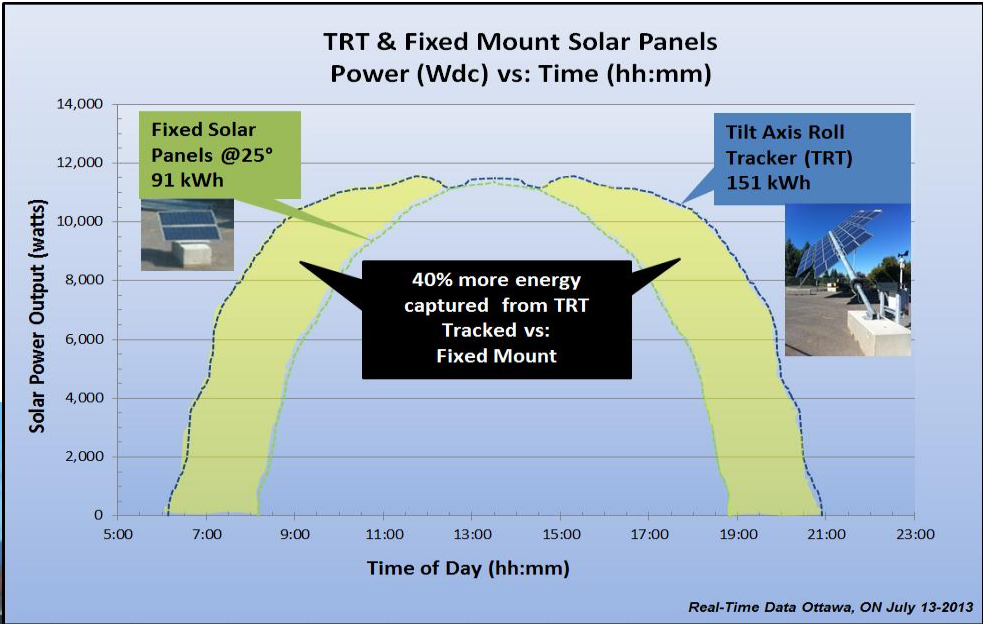
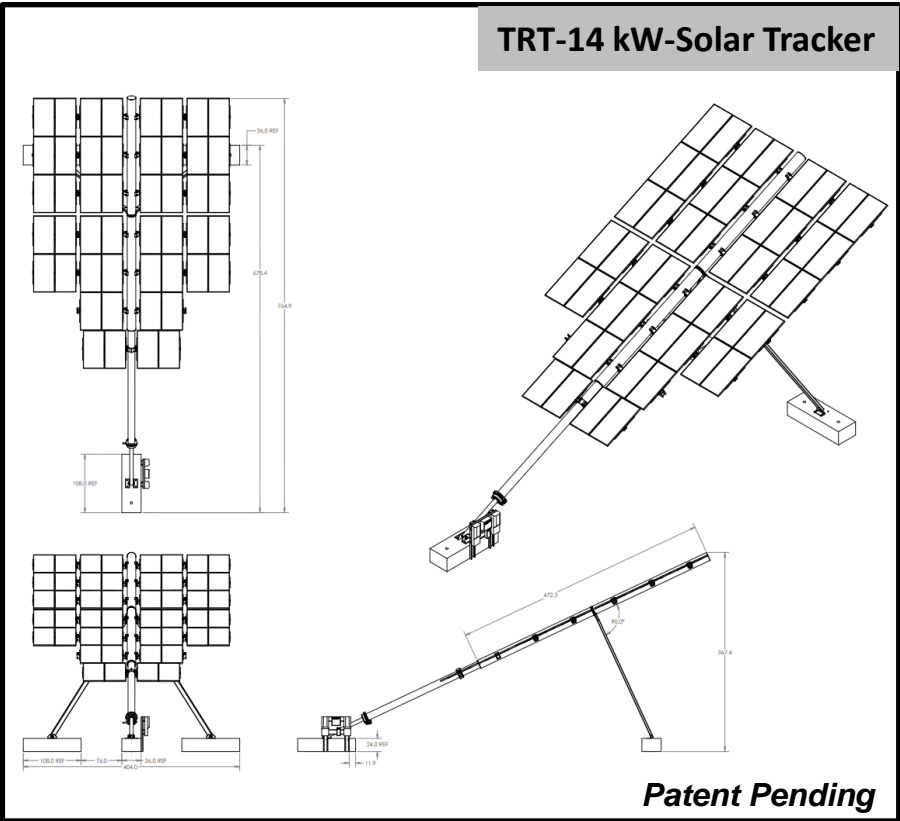


Tilt Axis Roll Tracker - TRT



Tilt Axis Roll Tracker - TRT

- ✓ Shipped 90% assembled, solar panels mounted & pre-wired
- ✓ FAST Install – unfold, lift into place, 10 minutes per 14.4 kWdc
- ✓ Up to 30% more Energy vs. fixed panels
- ✓ Passive “furl” compliant to high winds and heavy snow loads, i.e.: array lays flat in high winds, auto dumps in heavy snow
- ✓ Available as:
 - ✓ Racking only in parts
 - ✓ Assembled racking
 - ✓ Racking assembled with panels mounted (ship up to 58 kW_{dc}/truck load³- assembled)
- ✓ Mounting – concrete blocks, gabion baskets (piles of rocks in wire mesh), pour in place concrete, pilings or helical anchors
- ✓ Accommodates virtually any solar panel
- ✓ Fully instrumented and internet monitored & smart phone enabled

Tracker Configurations⁽¹⁾ TRT-14⁽²⁾

Peak Power (kW _{AC})	12
Peak Power (kW _{DC})	14
Roll Tracking Range	360°

Tracker Specifications⁽³⁾

Height @ 0° Rotation m [in]	9.6	[376]
Height @ 90° Rotation m [in]	13.4	[526]
Max. Length m [in]	20.0	[787]
Width-Swing Diameter m [in]	9.2	[360]
Weight kg [lbs] ⁽⁴⁾	3,293	[7,260]

⁽¹⁾ PV panels – 16% efficient 300 Wdc solar panels

⁽²⁾ 10 or 12 kWac models available

⁽³⁾ 72 cell solar panels, -48 panels per tracker

⁽⁴⁾ does not include ballast weight

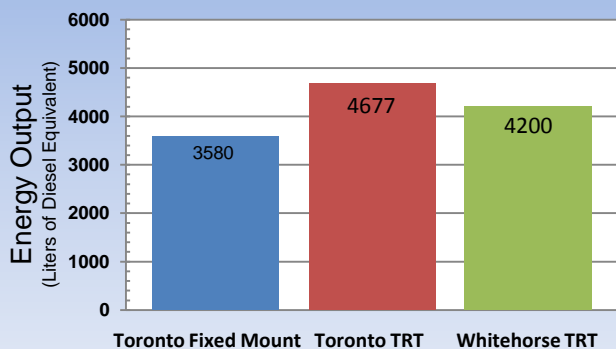
Canada Building Code Wind & Snow Load Compliant

CSA compliant

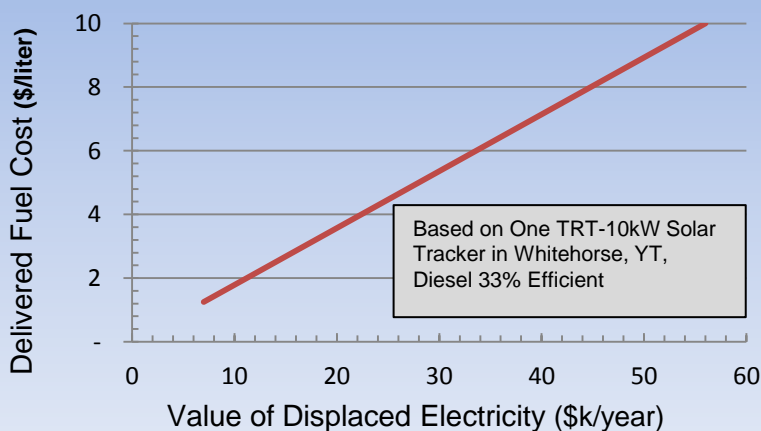
Engineered loads and reaction calculations supplied

Solar Energy Production (10kW Tracker)

(Liters of Diesel Equivalent per year vs: Location & Mounting Style)



Diesel Fuel Cost (\$/liter) vs: Value of Displaced Electricity (\$k/year)



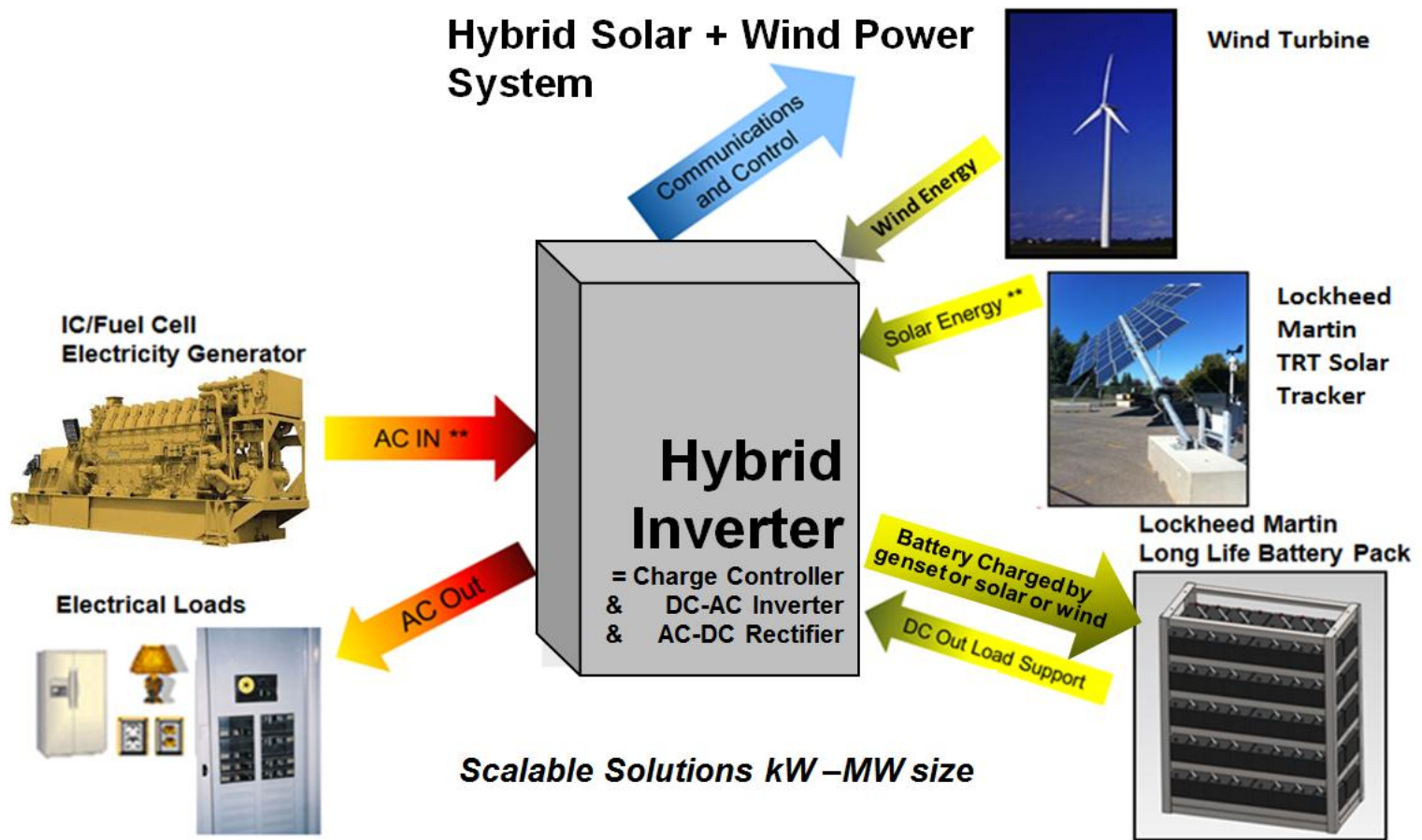
TRT Partially “Unfolded” (four 10 kW TRT’s ship “folded up” on a 48’ Flat Deck Trailer)

PV plate passively “furls” with high wind and “auto” dumps snow



Patent Pending

Hybrid Solar + Wind Power System



Patent Pending

- ✓ Plug & Play – minimizes install time
- ✓ Scalable kW to multi-MW
- ✓ Saves up to 70% fuel compared to a load following IC-fueled generator
- ✓ Extends time between generator maintenance up to 5x
- ✓ Ships 90% assembled & pre-wired



- ✓ Power electronics, batteries and generators pre-packaged in environmentally-controlled enclosures
- ✓ Accommodates virtually any solar panel, generator or battery
- ✓ Compatible with wind turbines, fuel cells and hydro power
- ✓ Internet monitored & smart phone enabled
- ✓ Switch gear and transformer options
- ✓ Wireless demand side management options

Complete System Engineering, Deployment, Training and Program Management Services