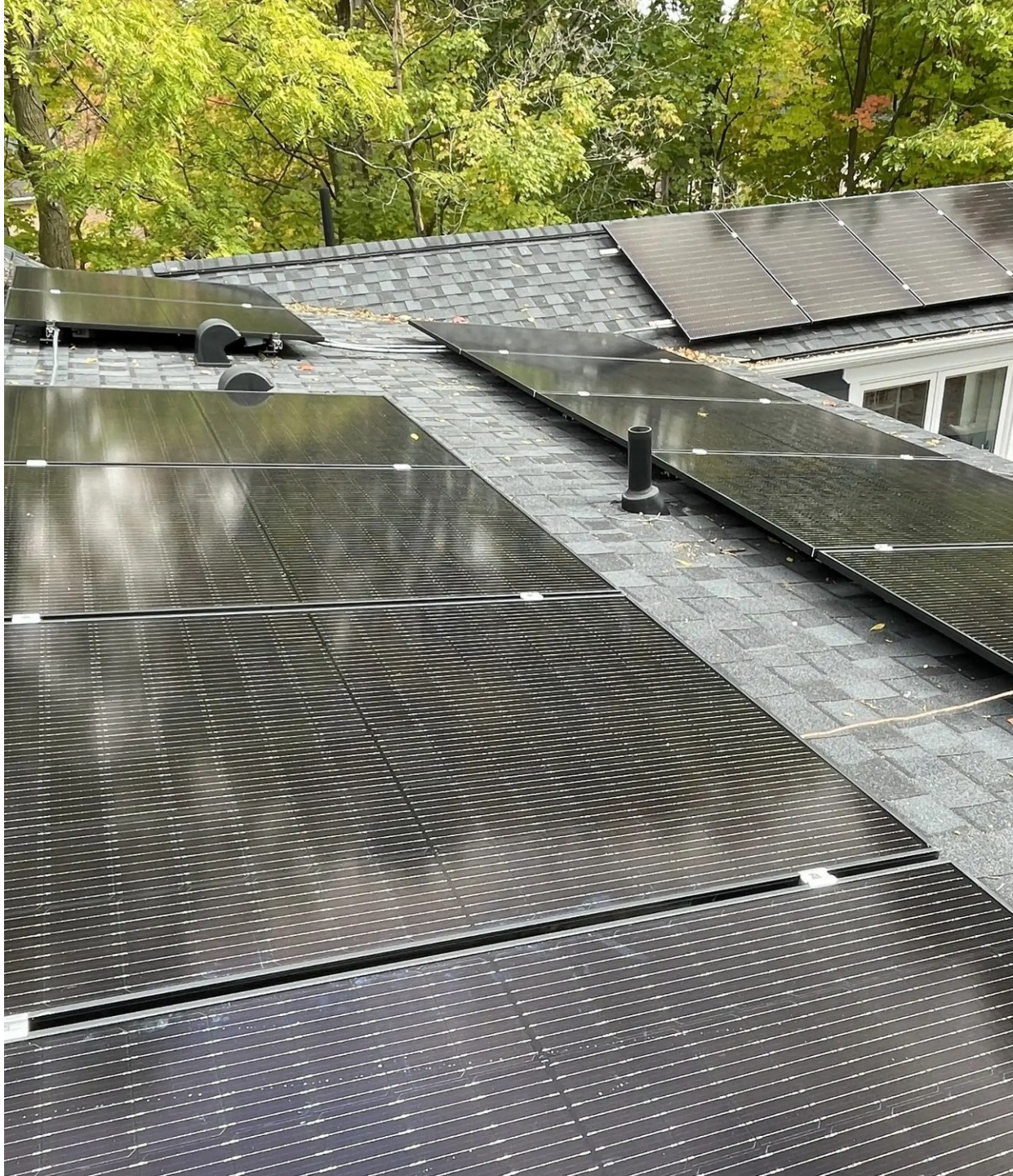
SYSTEM EDUCATION · 2026

Solar, battery and off-grid power in Ontario, explained.

What your bill is made of, the four ways to power a home, the equipment we install, the Ontario rebate, and how a project runs from first email to commissioning.

TRU Off Grid Energy Solutions · 348 Bronte St S, Unit 21, Milton ON · truoffgrid.com



WHO WE ARE

Ontario solar and battery specialists, start to finish.

One company designs, permits, installs, inspects and files the rebate. You deal with one person the whole way through.





1 to 180 kW

Residential, cottage, off-grid and commercial systems

A to Z

Design, permits, ESA, hydro, rebate filing, install, service

Milton, ON

Shop and warehouse on Bronte St S, installs across Ontario

WHAT WE DO

- Load displacement and whole-home backup: solar plus battery, non-exporting, rebate eligible.
- Net metering solar for homes that want annual bill offset and export credits.
- Off-grid systems for cottages, bunkies, shops and homes with no utility service.
- Battery-only backup for outages, from portable units to whole-home transfer.
- Generator integration, critical-load sub-panels, and monitoring on every system.

Systems are designed for performance first, not just rebate qualification. Sizing comes from your real usage and loads, never from a national average.

YOUR BILL TODAY

Your hydro bill has four parts. A system removes three.

Delivery is the part most quotes get wrong. Part of it is charged per kilowatt hour and goes away with the energy you no longer buy. The fixed monthly service charge stays.

Line on your bill	How it is charged	Can a solar and battery system remove it?
Electricity (commodity)	Per kWh at TOU or ULO rates	Yes, in full for every kWh the system covers
Delivery, per-kWh portion	Per kWh, set by your local utility	Yes, in full
Regulatory charges	Per kWh	Yes, in full
Delivery, monthly service charge	Fixed per month while you are connected	No. Only an off-grid system removes it

Around 14 c/kWh

Typical all-in value of every kWh your roof produces or your battery shifts, after the Ontario Electricity Rebate and HST

The bill, not the meter

We price savings from your delivered rate, so the number on the proposal is what comes off your invoice

What we ask for

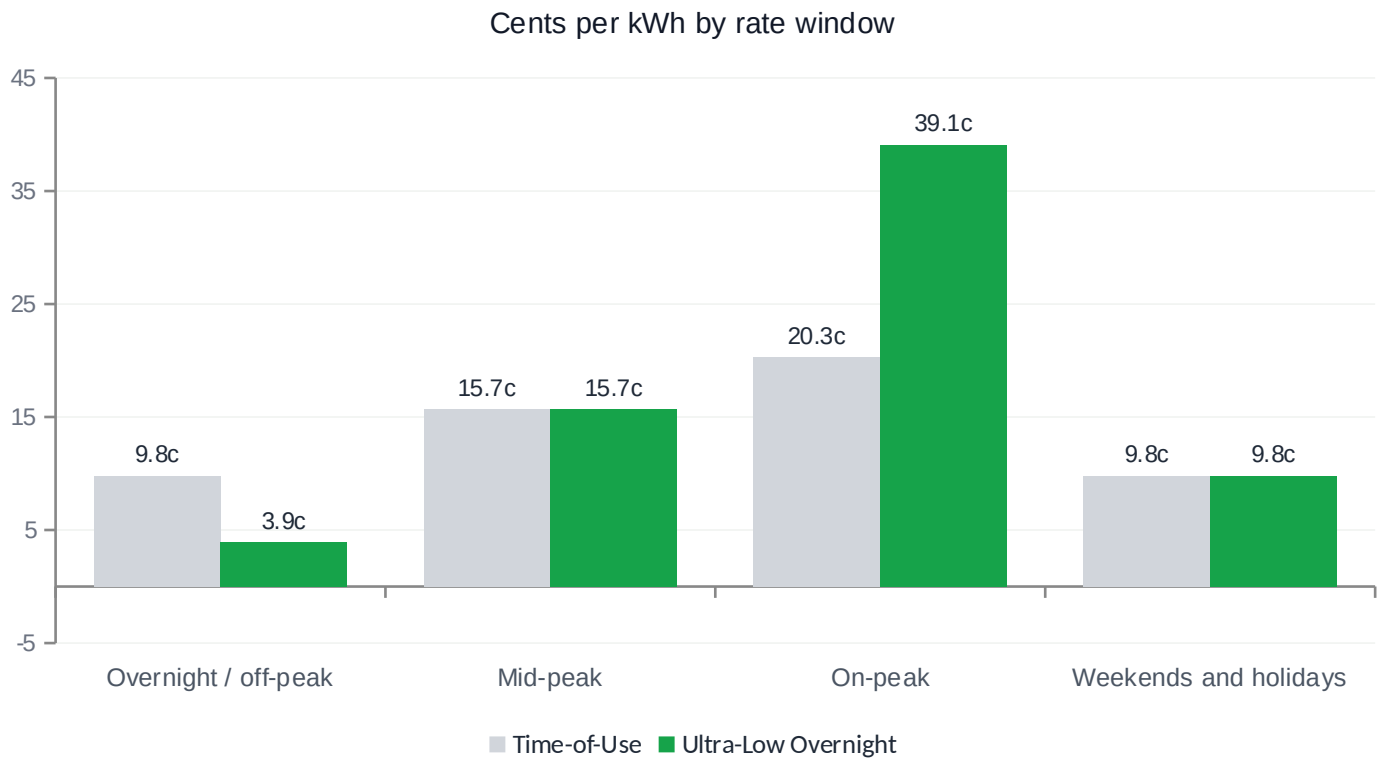
- Twelve months of usage and spend
- One full invoice showing delivery charges
- Photo of your main panel, door open

WHY THIS MATTERS

- Savings are only real if they are priced the way your utility bills you. We build every proposal from one of your actual invoices and your twelve months of usage.
- Solar production covers kWh. The battery decides when you buy the kWh you still need, which is where Ontario's rate plans come in.
- Any proposal that shows your bill going to zero on a grid-connected home is not counting the service charge.

Time-of-Use versus Ultra-Low Overnight.

Rates in effect November 1, 2025 to October 31, 2026 (OEB regulated price plan). The spread between windows is what a battery is built to use.



Window	TOU	ULO
Overnight, 11 pm to 7 am	9.8 c	3.9 c
Weekday on-peak, 4 to 9 pm	20.3 c*	39.1 c
Weekday mid-peak	15.7 c	15.7 c
Weekends and holidays	9.8 c	9.8 c

*TOU on-peak is 11 am to 5 pm in summer and 7 to 11 am plus 5 to 7 pm in winter.

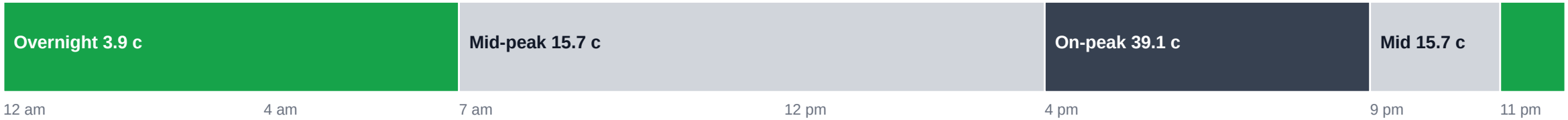
The rule of thumb

ULO on its own is a poor trade for most homes: the 4 to 9 pm rate almost doubles. A battery changes that. It fills at 3.9 cents overnight and carries the house through the 39.1 cent window. Stay on Time-of-Use until commissioning, then switch.

Rates are confirmed against your utility's own rate sheet before they go on a proposal.

Peak shaving: buy power cheap, use it when it is expensive.

A typical weekday on Ultra-Low Overnight with a solar and battery system. The home never notices the changeover.



Battery charges from the grid

At 3.9 cents. The cheapest power of the day goes into storage.

Solar runs the house

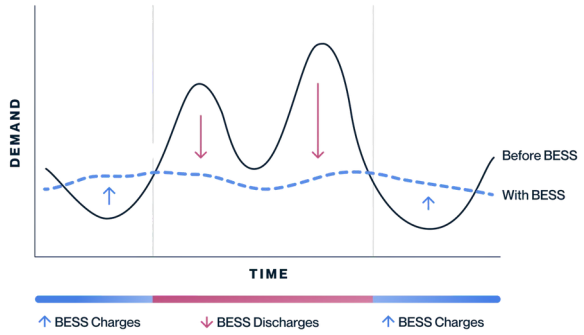
Surplus tops the battery up. Nothing is exported on a rebate system.

Battery carries the home

The 39.1 cent window is skipped almost entirely.

Grid or battery

Whichever is cheaper, automatically.



THREE THINGS THE SAME BATTERY DOES

- Rate arbitrage every day: charge overnight, discharge at 4 to 9 pm. This is the daily saving.
- Backup during outages: the whole home or your chosen circuits keep running, changeover in about 20 milliseconds.
- Solar self-consumption: daytime surplus is stored instead of exported, which is what keeps the system rebate eligible.

FOUR WAYS TO POWER A HOME

Solar. Battery. Hybrid. Off-grid.

Every system we build is one of these four. Which one fits depends on your utility connection, your rate plan, your backup needs and the rebate.



Solar only, net metering

Rooftop solar with microinverters. Surplus is exported for credit, drawn back at night.

BEST FOR

- Consistent grid, few outage concerns
- Annual bill offset, not time-of-use management
- Panel-level monitoring
- Not rebate eligible

JA Solar panels, Hoymiles microinverters

MOST COMMON IN 2026



Solar + battery, load displacement

Non-exporting. Solar runs the home, charges the battery, and the battery covers peak rates and outages.

BEST FOR

- On TOU or ULO billing
- Wants outage protection built in
- Wants the Ontario rebate
- Whole home or critical circuits

EG4 primary, EP Cube 2.0 secondary



Hybrid solar + battery, exporting

Solar and battery with export permission from the utility. Credits plus backup.

BEST FOR

- Higher demand or future loads
- Wants export credits and backup
- Comfortable with a more engineered system
- Not rebate eligible

EG4 or EP Cube 2.0



Off-grid

No utility. Solar by day, battery by night, generator auto-starts for the dark stretches.

BEST FOR

- No utility service, or a very costly connection
- Rural, remote, cottage, bunkie, shop
- Wood heat or propane for heating
- Sized to daily loads and winter sun

EG4 12000XP or 6000XP, 14.3 kWh batteries

The rebate build: whole-home backup that pays on rates.

Non-exporting by design. This is the configuration that qualifies for the Ontario Home Renovation Savings rebate, and it is most of what we install.



EG4 GridBOSS gateway, FlexBOSS18 hybrid inverter and one 14.3 kWh WallMount battery

HOW IT IS PUT TOGETHER

Part	What it does
Rooftop solar, 4 to 12 kW	Runs the home by day and charges the battery. Sized to the inverter and the roof, not to the rebate cap.
Hybrid inverter	EG4 FlexBOSS18 (13 kW) or 12kPV (8 kW). Manages solar, battery and grid in one unit.
Battery, 14.3 kWh blocks	One or two to start, expandable later. 10 year warranty, over 8,000 cycles.
GridBOSS or critical-loads panel	GridBOSS backs up the whole home. A sub-panel backs up chosen circuits at lower cost.

TWO WAYS TO BACK UP

Whole home

Everything rides through an outage. The gateway sheds the biggest loads (range, dryer, EV charger) automatically so the battery lasts. Best with two batteries.

Critical loads

Fridge, freezer, furnace or heat pump controls, well or sump pump, lights, internet and a few outlets move to a backup panel. Lower cost, longer runtime per battery.

Two very different jobs, sized two very different ways.

N-type bifacial modules, one microinverter per pair of panels

Solar only, net metering

- Goal is annual production, not time-of-use management. The array is sized to offset your yearly consumption.
- Surplus exports to the grid for credit. Up to 12 kW of export is the standard allowance with no extra utility fees.
- Bifacial panels with Hoymiles microinverters: every panel works independently, with panel-level monitoring.
- No battery, so no outage protection and no Ontario rebate. It can be paired with a battery later as a hybrid system.
- Requires a utility connection agreement, building permit, structural review and ESA inspection, all handled by us.



EG4 12000XP on a battery



14.3 kWh WallMount Indoor



Pole-mount bifacial array

Off-grid

- Three sources, one system: solar carries the day, the battery carries the night, the generator covers the coldest, darkest stretches.
- EG4 12000XP (12 kW) or 6000XP (6 kW) with 14.3 kWh batteries. The 12000XP starts the generator on its own when the battery runs low.
- Sized to a load table you build with us: what runs, for how long, in which season. Winter sun sets the battery and generator, not summer.
- Heating stays on wood or propane. Electric heat is the one load that breaks an off-grid budget.
- No hydro application, no connection fees, no monthly delivery charge. A building permit only where the township requires one.

BATTERY-ONLY BACKUP

Outage protection without solar.

For homes that want the lights, heat and water to stay on, without a roof array. Not rebate eligible, and priced accordingly.



Delta Pro Ultra with Smart Home Panel 2

Whole-home transfer, EcoFlow

- Delta Pro Ultra inverter with 6 kWh battery modules
- Smart Home Panel 2 backs up 12 circuits automatically
- Charges from the grid, generator or portable solar
- App control of every circuit

Our standard for battery-only critical loads



EG4 12000XP

Permanent install, EG4

- EG4 12000XP with 14.3 kWh WallMount batteries
- Critical-loads sub-panel, or GridBOSS for the whole home
- Built-in generator auto-start for long outages
- Expandable in 14.3 kWh blocks, 10 year battery warranty

For homes that may add solar later



Delta 3 Ultra shown

Portable, EcoFlow Delta

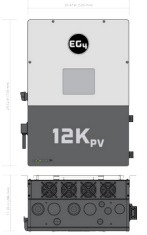
- Delta Pro 3 (4 kWh) or Delta 3 series (1 to 3 kWh)
- Generator inlet and manual transfer for cottages
- Sump pumps, fridges, furnace blowers, medical devices
- Takes the cottage through a weekend outage

Fastest, lowest cost, supply only or installed

EG4: our primary platform for solar, backup and off-grid.

CSA certified, 10 year warranty on the hybrid line, true whole-home transfer with GridBOSS, and generator integration built in.

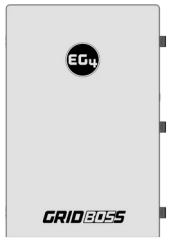
Model	Type	AC output	Solar input	Warranty	Where we use it
EG4 6000XP	Off-grid all-in-one	6 kW	8 kW	5 yr	Bunkies, small cottages, seasonal
EG4 12000XP	Off-grid all-in-one	12 kW	24 kW	5 yr	Off-grid default. Generator auto-start built in
EG4 12kPV	Hybrid all-in-one	8 kW	12 kW	10 yr	Critical-load and non-exporting whole-building
EG4 FlexBOSS18	Hybrid	13 kW	18 kW	10 yr	Standard grid-tied home, with GridBOSS
EG4 FlexBOSS21	Hybrid	16 kW	21 kW	10 yr	Large homes, full-household backup
EG4 GridBOSS	200 A gateway	Pass-through	n/a	10 yr	Whole-home transfer, load shedding, generator input



EG4 12kPV



EG4 FlexBOSS18



EG4 GridBOSS


14.3 kWh WallMount

BATTERIES

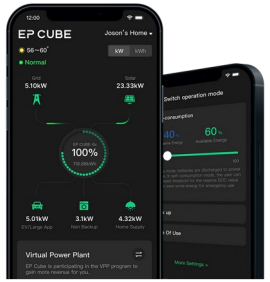
EG4 WallMount 14.3 kWh	Indoor	All-Weather
Chemistry and cycles	LiFePO4, over 8,000 cycles	LiFePO4, over 8,000 cycles
Location	Heated garage or mechanical room	Inside or outside, IP65, self-heating
Warranty	10 years	10 years

Why EG4 first

Reliable code-compliant installs, whole-home backup on a single service, generator control, and batteries that grow in 14.3 kWh blocks. Every EG4 build ships with a standard single line diagram for ESA.

EP Cube 2.0, EcoFlow, panels and generators.

Each has a job it does better than anything else we carry. Nothing on this page is a substitute for the one beside it.



Canadian Solar EP Cube 2.0

- All-in-one hybrid inverter and battery, 5 to 40 kWh in 5 kWh steps
- 11.5 kW inverter, 200 A Smart Gateway for whole-home backup
- 10 year or 6,000 cycle warranty
- Our secondary option beside EG4 on solar plus battery quotes



EcoFlow Delta Pro Ultra

- 7.2 kW inverter, 6 kWh battery modules, stackable
- Smart Home Panel 2, 12 circuits, automatic transfer
- Battery-only critical-load backup and cottages
- 5 year warranty. Cannot export to the grid



JA Solar 500 W

- N-type bifacial monocrystalline, all-black
- 30 year linear performance warranty
- Roof-flush mounting brackets on shingle, metal or flat roofs, pole mounts for off-grid
- Panel current checked against every inverter input



Standby generators

- 10.5 kW tri-fuel (gas, propane, natural gas) or 7.5 kW dual-fuel inverter
- Two-wire auto-start from the EG4 12000XP
- We supply and wire it. The gas connection is by your licensed gas fitter
- Inverter-type only, clean power for electronics

Panels are always JA Solar. Batteries go in a heated indoor space unless the all-weather model is specified. Generators are inverter-type only. An existing array is never coupled to an old inverter: it is re-terminated into the new hybrid unit as one system.

Home Renovation Savings: up to $10,000 back.

This program decides the design. Non-exporting, rooftop, solar and battery installed together, with the homeowner as the applicant.

$1,000 / kW

Rooftop solar, up to $5,000. A 5 kW array reaches the cap

$300 / kWh

Battery paired with new solar, up to $5,000. About 16.7 kWh reaches the cap

$10,000

Combined maximum per project

Each measure is also capped at 50 percent of its eligible cost, which binds on very small arrays. We show the allocation on every rebate quote.

TO QUALIFY, ALL OF THESE MUST BE TRUE

- Solar and battery in the same project, installed together, on the roof of a grid-connected home
- Non-exporting configuration (this is why the load displacement build exists)
- Installed by a licensed contractor with permits, ESA and a utility application
- The applicant is the registered owner and the name matches the hydro account
- Cottages and non-primary homes are eligible

NOT ELIGIBLE

- Solar only, battery only, or a staged install (battery now, solar later)
- Exporting net-metered systems and ground mounts
- Homes with an existing solar system, RVs, trailers, off-grid homes

Program rules are those in effect September 2026. We confirm them against the program guide on every application.

How the money arrives

The rebate is a cheque mailed to you by the program after the electrical inspection passes and we submit the package. It is not a discount on our invoice. You pay TRU on the payment schedule, and "net after rebate" on your proposal is the effective cost once the cheque arrives. Nothing is ordered until the pre-approval is in writing.

Real 2026 project ranges, all-in.

Every TRU price includes equipment, licensed electrician, solar labour, mounting, structural review, building permit, ESA, the hydro application where it applies, and HST. Nothing is bundled or hidden.

Project type	Typical build	Before rebate	After rebate
Portable power station	EcoFlow Delta 3 series or Delta Pro 3, supply only	$700 to $3,000	No rebate
Battery-only backup with transfer panel	EcoFlow Delta Pro Ultra with Smart Home Panel 2, or EG4 12000XP with backup panel	$13,000 to $25,000	No rebate
Solar + battery, critical loads	EG4 or EcoFlow, 5 kW solar, 14 to 18 kWh, backup panel	$30,000 to $37,000	$20,000 to $27,000
Solar + battery, whole home	EG4 FlexBOSS18 or 12kPV + GridBOSS, 5 to 8 kW solar, 14 to 29 kWh	$34,000 to $45,000	$24,000 to $35,000
Off-grid bunkie or cabin	EG4 12000XP, 14.3 kWh, 2 to 4 kW solar, 7.5 kW generator	$10,000 to $25,000	No rebate
Off-grid home or shop	EG4 12000XP, 43 kWh, 12 kW solar, 10.5 kW tri-fuel generator	$45,000 and up	No rebate

Ranges are drawn from TRU projects quoted and installed in 2026. Your proposal is priced line by line from your usage, roof and panel.

Payback on a whole-home rebate build typically lands between 12 and 20 years on today's rates, before any rate increase. The backup value, the rebate and the 10 year warranties are what most customers are buying; the rate savings are the bonus that keeps paying.

How you pay

- 50 percent on signing, 40 percent on delivery, 10 percent on commissioning
- Cottage and small off-grid installs: payment on install day, deposit optional
- Interac e-transfer preferred, in increments if your bank limits daily transfers. Cheque or card link on request

Every install includes

- Permits, structural review and ESA handled
- Hydro application and rebate filed for you
- Single line diagram and commissioning report
- App monitoring set up on your phone
- 2 year workmanship warranty plus manufacturer warranties
- One point of contact from first quote to final walkthrough

OUR PROCESS

From first email to commissioning, in seven steps.

Grid-tied rebate builds typically run 4 to 8 weeks from deposit to install day. Off-grid and cottage installs run 2 to 4 weeks.

1 Intake

You send twelve months of usage, one full bill, a photo of your main panel, your address and your backup priorities.

2 Proposal

Built from your bill. Before and after, options side by side, net after rebate, every line item priced.

3 Site assessment

Roof, panel, battery location, cable routes. On site when needed, by photo and video when it is not.

4 Agreement and deposit

Signed agreement, deposit invoice and your welcome package with the full list of what we need from you.

5 Permits and approvals

Hydro application, building permit and structural review, ESA, and the rebate pre-approval. Nothing is ordered until it is in writing.

6 Installation

Two to four days on site. Battery and inverter first, then the array. A licensed electrician does every tie-in.

7 Commissioning

Energize, program, app walkthrough, ESA inspection, rebate package submitted. Final payment on commissioning.

What starts the clock

The hydro application and the building permit take the longest. Send the meter photos, panel photos and attic photos first and the rest can follow. We send each program form separately as it comes up, and the welcome package lists everything in one place.

What can move a date

Utility processing, ESA scheduling, permit turnaround and equipment lead times are set by third parties. We give you dates as estimates, update you at every milestone, and never book an install before the approvals are in. Deposit locks your place in the install calendar.

WHAT WE NEED FROM YOU

One message with everything we need to design it right.

We ask for all of it up front so the proposal is right the first time and the email chain stays short.

Every project

- Twelve months of hydro usage and spend (spend, not just kWh)
- One full PDF invoice showing the delivery charges
- Photo of your main electrical panel with the door open
- Full property address
- Do you have solar today? If yes, the inverter and panel details
- Planned new loads: EV, heat pump, hot tub, pool, addition
- Backup scope: whole home, or which circuits matter most
- How the home is used: full time, weekends, seasonal (this drives the savings model and the battery location)

When new solar is in scope

- Preferred roof space, and a photo of the roof from the yard
- Roof age and material (asphalt shingle, metal, flat)
- Attic photos or a short video looking along the trusses, for the building permit

Once you commit

- Hydro account number, service address exactly as billed, and the name on the account
- Photo of the meter base, and one stepped back showing the wall around it
- Written confirmation that the applicant owns the property and matches the hydro account (rebate)
- Final backup circuit list where a backup panel is in scope

What is covered, for how long, and who you call.

Warranty claims are handled by us on your behalf. You never navigate manufacturer support alone.

Component	Term	Coverage
EG4 hybrid inverters (12kPV, FlexBOSS18, FlexBOSS21) and GridBOSS	10 years	Full manufacturer warranty
EG4 off-grid inverters (6000XP, 12000XP)	5 years	Full manufacturer warranty
EG4 WallMount batteries, EP Cube 2.0	10 years	Capacity warranty, over 8,000 cycles (EG4) or 6,000 cycles (EP Cube)
EcoFlow Delta Pro Ultra, Smart Home Panel 2, Delta series	5 years	Manufacturer warranty
JA Solar panels	30 years	Linear performance warranty
Mounting and racking brackets	20 years	Structural and corrosion, manufacturer
Installation workmanship	2 years	TRU covers all labour and workmanship on mechanical and electrical install

Warranty terms are the manufacturer's as published at the date of purchase. Workmanship excludes damage from misuse, unauthorized modification, flooding, acts of nature or external electrical events.

After your install

Remote diagnostics through the EG4, EP Cube or EcoFlow app, on-site service when needed, and a direct line to Jacob for anything in the first 30 days. Annual reviews of performance, firmware and seasonal settings are recommended.

Before we arrive

- Driveway and yard clear for ladders and staging
- Four to six feet clear in front of the main panel
- Battery location confirmed (heated space for indoor units)
- Wi-Fi password handy for app setup
- Expect two to four hours without power during the electrical tie-in

REAL INSTALLS

We document our work.

Full walkthroughs, peak shaving strategies and real-world performance on our YouTube channel: TRU Off Grid.



All-black bifacial array on shingle, roof-flush brackets

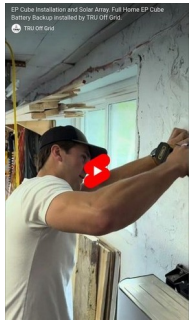


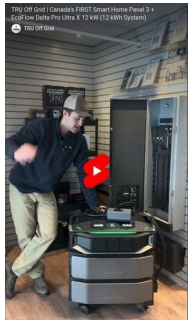
Two-face array on a hip roof



EG4 FlexBOSS, GridBOSS, two WallMount batteries









On YouTube: EP Cube residential install, EP Cube whole-home backup, Delta Pro 3 with Smart Home Panel, Delta Pro Ultra stock walkthrough

Ask for a reference

We are happy to connect you with customers who have had a similar system installed: whole-home EG4, EcoFlow critical loads, off-grid cottages. Ask Jacob and we will arrange an introduction.



Thank you.

Send your usage and a photo of your panel and we will build the proposal from there.

Jacob Collier

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