



Shikkee SolarCarport

Where Chaos Ends

The Shikkee Solar Carport is a modern, plug-and-play energy solution that charges two electric cars directly from the sun. No noise, no fuel, no grid dependency during the day. Part of the Shikkee ecosystem for sustainable living, intelligent homes, and elevated Shikkee Iconic models.

⚡ System Overview

Cars Supported: 2 EVs (dual-bay canopy) 25sqm
System Capacity: ~11–12 kW (AC)
Solar Panels: ~24 high-efficiency mono-crystalline modules (≥540 W each)
Daily Solar Power: ~55–60 kWh/day
Typical Driving Range: ~300 km/day
Perfect For: Homes, fleets, or shared parking needing all-day solar charging

🏠 Built for Real Life

- 3-Phase Inverter: Grid-approved (Israel standard)
- EV Charger Ready: Compatible with dual Type 2 / CCS2 smart chargers (available under Shikkee Plug-Ins category)
- Safety First: Built-in RCD + surge protection
- Net-Billing Ready: Earn credit for unused solar energy

🌍 Everyday Benefits

- ☀️ Generates up to 55–60 kWh per day
- ⚡ Ready for two EVs (dual charging support)
- 🚗 ~300 km daily range powered by sunlight
- 🏡 Adds value to your property and enhances every Shikkee Iconic model
- ♥️ Zero emissions, zero compromise

Questions? Contact us!

www.shikkee.co.il

contactform@shikkee.com

Shikkee HQ, Lewes, Delaware, USA

📦 What's Included

- Prefabricated solar structure with integrated panels
- Optional dual smart chargers (Type 2 / CCS2) — available under Shikkee Plug-Ins
- Complete electrical kit & protection devices
- Installation drawings (2D / 3D)
- Full warranty – structure + PV system
- Plug-and-play setup — ready in hours

💡 Why you'll Love It

- Fast Installation: Fully prefabricated and plug-and-play
- Modern Minimalism: Clean lines, hidden wiring, premium materials
- Strong & Durable: Hot-dip galvanized steel or aluminum frame, waterproof roof with integrated drainage
- Weather-Resistant: 30 m/s wind rating, 0.5 kN/m² snow load
- Fits Any Home: Compact footprint (~25 m²) with 2.2 m clearance

🔌 Solar Power System

- 3-Phase 400 V inverter (IEC 62116 / 61727 compliant)
- Smart monitoring for solar yield + charger activity
- Hidden cable routing + full waterproof protection
- Compatible with Net Billing (Israel standard)

Alternative Car Port Non-Solar Version

Same size & layout (dual-bay, ~25 m²)

- Same structure material & load resistance
- Waterproof roof with external gutter system
- EV charger mounting option retained

Shikkee SolarBundle

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One premium solar bundle for every Shikkee Iconic home. 3-phase. Net-billing ready. EV-charger compatible.

Home Type	Bundle Size (DC/AC + Panel Count)	Est. Annual Production	Est. Annual Savings	Regular (on grid)	Hybrid (battery+off-grid)
Shikkee Iconic (All Models)	21.6 kWp / 18 kW ($\approx$ 49 panels)	$\approx$ 34,560 kWh	$\approx$ 19,008 ₪	—	15–20 kWh LiFePO ₄
Half Shikkee	10.5 kWp / 10 kW ($\approx$ 24 panels)	$\approx$ 16,800 kWh	$\approx$ 9,240 ₪	—	10–15 kWh LiFePO ₄

Notes: Premium high-efficiency Tier-1 panels ($\approx$ 430–460 W each).

Mounting / Notes:

Slope roof Variant: Rail-based slope-roof system; CE / IEC certified; AFCI preferred; Wi-Fi / Ethernet / 4G monitoring.

Flat Roof Variant: Ballasted, tilt-adjustable, non-penetrating waterproof racking; wind and corrosion-resistant; CE / IEC compliant.

Hybrid Variant: for Energy independence, future storage, night use

Note: All Shikkee Solar systems require a three-phase (3 Φ) power supply.

Regular/ Hybrid comparison:

Regular Shikkee Solar

- 💡 On-grid only
- ⚙️ 3-phase inverter
- 🌐 Net billing ready
- 💰 Lower upfront cost

Hybrid Shikkee Solar

- 🔌 On-grid + backup-ready
- ⚙️ 3-phase hybrid inverter
- 🔋 LiFePO₄ 10–20 kWh battery
- ☀️ Store solar power (night use or as redundant generator)

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Water Leak Detected

The system has identified a water leak.
A service ticket has been
automatically issued.
Certified plumber en route.

No action needed.

Shikkee AI Drone

Where Chaos Ends

♥ Why you'll Love It?

The Shikkee Drone quietly inspects, detects, and even handles maintenance — so you never have to worry about small problems becoming big ones.
Always on watch, keeping everything running perfectly.

*If you own or are installing a Shikkee Solar Bundle, the drone will automatically monitor your solar roof panels — advising when cleaning or maintenance is needed to keep your system performing at its best and extend its lifespan.

🚀 Core Functions

- Self-Inspection: Flies around your home to check for leaks, cracks, or wear.
- Smart Detection: Uses cameras, sensors, and AI to spot problems early.
- Instant Alerts: Send photo or video proof straight to your phone.
- Auto-Fix Workflow: Calls a certified Shikkee technician when needed — and pays automatically.
- Learning System: Gets smarter with every inspection, adapting to your home's habits.

🤖 Smart Features

- Digital Twin Mapping: Knows every corner of your Shikkee Iconic home.
- Cloud Updates: Always running the latest Shikkee software.
- Automatic Safety Lock: Waits quietly when people or pets are nearby.
- Quiet Flight: Silent brushless motors — you'll hardly notice it's there.

💡 Built-In Security

Starts simple — watching your porch so no one steals your packages.
Grows smarter — learns your property and keeps an eye out for unusual activity.
Can even connect to local security if needed.

📷 Specs Snapshot

Flight Time: ~45 minutes per charge
Charging: Auto-dock wireless charging
Cameras: 4K HDR + 360° panoramic
Sensors: Thermal, LiDAR, motion, acoustic
Connectivity: Wi-Fi 6 / LTE / BLE
Weather: Light rain compatible (IP54)

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Shikkee Residential Hydraulic Elevator

Where Chaos Ends

A compact, pitless hydraulic elevator solution ideal for all Shikkee Iconic models.

♥ Why You'll Love It

- Seamless integration: Fits perfectly into all Shikkee Iconic models — minimal civil works, no heavy construction.
- Space-efficient: Pitless or ultra-shallow design (≤ 150 mm) — perfect for both new and existing homes.
- Reliable & safe: Built-in safety systems — emergency lowering, overload protection, anti-fall gear.
- Modern aluminum shaft: Durable, clean, and maintenance-free — complements Shikkee's design.
- Compact system: The motor and pump are built into the shaft — no separate room required.
- Certified & compliant: Meets global safety and quality standards (EN 81 / ASME).
- Peace of mind: 24-month warranty, spare parts availability, and remote support.
- Scalable: Built on a repeatable system that ensures long-term service, easy part replacement, and future upgrades across all Shikkee Iconic models.

✦ Key Features

- Pre-assembled modular aluminum shaft 150cm/200cm
- Pitless / shallow-pit design
- 2 stops (Ground + 1st Floor)
- ~7.5 m travel height
- Capacity 320 – 450 kg (3 – 4 persons)
- Speed range 0.15 – 0.30 m/s
- Overhead drive / pump unit (no external machine room)
- Safety features: door interlock, obstruction sensors, overload protection, rescue lowering, anti-fall device
- Access control: key or smart-card option
- Complies with EN 81-20 / 81-50 and ASME A17.1 / CSA B44

💡 The Shikkee Advantage

Seamlessly part of the Shikkee ecosystem, this elevator is fully plug-and-play — designed to integrate easily into all Shikkee Iconic models, now or in the future.

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