

Shikkee Solar PV Systems – Half Shikkee Technical Tables

Table 1 – Half Shikkee Slope Roof System (65 m²)

User Type / Roof Option	System Size (+ Panel Count)	Battery (Hybrid)	Typical Consumer / Usage Fit	Est. Annual Production (kWh)	Est. Annual Value (₹ ILS)
Light User / Slope Roof (On-Grid)	16 Panels → 7.2 kWp DC / 6 kW AC	—	Compact home / couple / office with light AC use	12 240	₹ 5 830
Moderate User / Slope Roof (Hybrid Battery-Ready)	16 Panels → 7.2 kWp DC / 6 kW AC	5–10 kWh LiFePO ₄	Small family with evening use / power backup need	12 240	₹ 6 190

Mounting / Notes: Rail-based slope-roof mounting; CE / IEC certified; AFCI preferred; Wi-Fi / Ethernet / 4G monitoring.

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

Table 2 – Half Shikkee Flat Roof System (50 m²)

User Type / Roof Option	System Size (+ Panel Count)	Battery (Hybrid)	Typical Consumer / Usage Fit	Est. Annual Production (kWh)	Est. Annual Value (₹ ILS)
Light User / Flat Roof (On-Grid)	16 Panels → 7.2 kWp DC / 6 kW AC	—	Compact home / couple / office with light AC use	11 520	₹ 5 490
Moderate User / Flat Roof (Hybrid Battery-Ready)	16 Panels → 7.2 kWp DC / 6 kW AC	5–10 kWh LiFePO ₄	Small family with evening use / power backup need	11 520	₹ 5 870

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

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

Shikkee Solar PV Systems – Technical Tables

Table 1 – Slope Roof System (133 m²)

User Type / Roof Option	System Size (+ Panel Count)	Battery (Hybrid)	Typical Consumer / Usage Fit	Est. Annual Production (kWh)	Est. Annual Value (₹ ILS)
Light User / Slope Roof (On-Grid)	32 Panels → 14.4 kWp DC / 12 kW AC	—	Base household (3–4 rooms), light–moderate AC, 0–1 EV	24 480	₹ 11 510
Moderate User / Slope Roof (Hybrid Battery-Ready)	32 Panels → 14.4 kWp DC / 12 kW AC	10–15 kWh LiFePO ₄	Family with evening use / outage resiliency, 0–1 EV	24 480	₹ 12 240
Heavy User / Slope Roof (On-Grid)	48 Panels → 21.6 kWp DC / 18 kW AC	—	Large home / duplex, heavy AC, 1–2 EVs	36 720	₹ 16 520
Independent User / Slope Roof (Hybrid Battery-Ready)	48 Panels → 21.6 kWp DC / 18 kW AC	15–20 kWh LiFePO ₄	High-consumption user seeking energy autonomy (1–2 EVs)	36 720	₹ 17 990

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

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

Table 2 – Flat Roof System (100 m²)

User Type / Roof Option	System Size (+ Panel Count)	Battery (Hybrid)	Typical Consumer / Usage Fit	Est. Annual Production (kWh)	Est. Annual Value (₹ ILS)
Light User / Flat Roof (On-Grid)	32 Panels → 14.4 kWp DC / 12 kW AC	—	Base household (3–4 rooms), light–moderate AC, 0–1 EV	23 040	₹ 10 830
Moderate User / Flat Roof (Hybrid Battery-Ready)	32 Panels → 14.4 kWp DC / 12 kW AC	10–15 kWh LiFePO ₄	Family with evening use / outage resiliency, 0–1 EV	23 040	₹ 11 520
Heavy User / Flat Roof (On-Grid)	48 Panels → 21.6 kWp DC / 18 kW AC	—	Large home / duplex, heavy AC, 1–2 EVs	34 560	₹ 15 550
Independent User / Flat Roof (Hybrid Battery-Ready)	48 Panels → 21.6 kWp DC / 18 kW AC	15–20 kWh LiFePO ₄	High-consumption user seeking energy autonomy (1–2 EVs)	34 560	₹ 16 930

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

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

No more fuel bills — Shikkee's carport lets you drive free

Shikkee Solar Carport

Modern • Durable • Energy-Ready

A stylish, plug-and-play solar carport that combines vehicle protection with built-in solar power — designed to help you **offset or even eliminate your energy costs**, or **drive for free** as energy is covered.

1. Benefits (Why This Carport Is a Smart Choice)

- Dual function: shields your vehicle **and** generates clean electricity
 - The system may **pay for your electricity and fuel**, letting you **drive for free**
 - Prefabricated, plug-and-play setup minimizes on-site labor
 - Sleek, modern look fits with any home or commercial setting
 - Built-in support for EV charging (1–2 chargers)
 - Engineered for durability: high wind & snow load resistance
 - Option for non-solar version to reduce up-front cost
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2. Highlights (Top Features at a Glance)

- Modular, ready-to-assemble carport with solar integration
- Footprint: ~ 25 m², side-by-side 2-car layout
- Structure: hot-dip galvanized steel or aluminum alloy
- Compatible with standard 182–210 mm cell solar panels
- Roof tilt: ~ 10–15° (supplier optimizes)

- Ground clearance: ≥ 2.5 m
- Wind resistance: up to 60 m/s
- Snow load capacity: 1.4 kN/m²
- Roof is fully waterproof; includes external gutters & drainage
- Built-in cable routing and waterproof wiring protection
- Option to integrate inverter & battery (quoted separately)
- EV charger mounts on columns; customizable in brand colors
- Also offered in **non-solar** version with identical structure

3. Spec Table (Consumer-Facing)

Specification	Value / Range
Product Name	Shikkee Solar Carport
Application	Residential & light commercial (parking + solar)
Area	~ 25 m ²
Layout	Single-row, 2-car side-by-side
Structure Material	Galvanized steel or aluminum alloy
Solar Panel Compatibility	182 – 210 mm cell size
Roof Tilt Angle	~ 10 – 15° (supplier-optimized)
Ground Clearance	≥ 2.5 m

Wind Resistance	Up to 60 m/s
Snow Load	1.4 kN/m ²
Roof / Waterproofing	Fully waterproof with external gutters
Cable / Wiring Provisions	Concealed routing, waterproof protection
EV Charging Support	1–2 chargers mountable on columns
Custom Options	Branding, color schemes, solar vs non-solar
Non-Solar Variant	Same structure, no PV integration
Warranty / Support	To be provided by supplier
Energy Offset	Potential to cover your energy & fuel costs , or drive for free

Shikkee Residential Hydraulic Elevator

Smooth • Reliable • Plug-and-Play

A compact, pitless hydraulic elevator solution ideal for Shikkee

1. Why you'll love it?

- Seamless integration into prefab homes — minimal civil works
 - Space-efficient — pitless or ultra-shallow pit (≤ 150 mm)
 - Reliable & safe — built-in safety systems (emergency lowering, overload protection, anti-fall gear)
 - Elegant options — closed steel shaft or optional panoramic glass panels
 - No external machine room — all components housed overhead
 - Certified & compliant — meets global safety & quality standards
 - Peace of mind support — 24-month warranty, spare parts, remote assistance
 - Scalable — start with a pilot unit, scale easily
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2. Key Features

- Pre-assembled modular shaft
- Pitless / shallow pit design
- 2 stops (ground + first 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

- Optional panoramic glass sides
 - Safety features: door interlock, obstruction sensors, overload protection, rescue lowering, anti-fall device
 - Access control: key or card option
 - Meets EN81 / ASME standards
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3. Spec Table

Specification	Value / Range
Elevator Type	Hydraulic, residential (modular shaft)
Stops	2 stops (Ground + 1st floor)
Total Travel Height	≈ 7.5 m
Load / Capacity	320 – 450 kg (3–4 persons)
Speed	0.15 – 0.30 m/s
Pit Requirement	Pitless or ≤ 150 mm shallow pit
Shaft External Dimensions	≈ 1,500 × 1,300 mm (to be confirmed)
Drive / Equipment Location	Overhead, inside shaft (no external machine room)
Shaft Structure / Material	Pre-assembled steel / aluminum panels, closed or optional glass
Standards / Certifications	EN 81-20 / EN 81-50 and/or ASME A17.1 / CSA B44
Safety Features	Emergency lowering, door interlock, obstruction sensors, overload protection, anti-fall device, hydraulic pressure relief

Access Control	Key lock or card reader (optional)
Warranty	24 months
Support	Spare parts, remote technical support, maintenance options