



COMMERCIAL & INDUSTRIAL SOLAR

Solar PV Options for Singapore

Commercial & Industrial

This presentation outlines solar financing models, technical requirements, and ESG benefits for commercial and industrial businesses in Singapore.

SolarWarehouse.sg • May 2026



Financing Models for Singapore Businesses

Choose the right model to maximize savings and meet your sustainability goals.



Outright Purchase

CAPEX MODEL

- Highest lifetime ROI
- ~3-4year payback period
- Full REC ownership

Best for Long-Term Equity



Corporate PPA

ZERO CAPEX

- SGD 0 upfront cost
- 20-50% off SP tariff
- Developer handles all O&M

Immediate Savings



Roof Leasing

PASSIVE INCOME

- Earn rental income from roof space
- Zero risk or maintenance
- Developer owns and operates system

Landlord-Friendly



Leasing / Rent-to-Own

3-5 YEAR TERM

- Fixed monthly payments
- Preserves working capital
- Full ownership at term end


Capital-Efficient

FINANCING OVERVIEW

Savings & Feature Comparison

How do the three solar models stack up for your business?

Feature	 Outright Purchase	 Corporate PPA	 Roof Leasing
 Upfront Cost	 High (CAPEX)	SGD 0	SGD 0
 Maintenance	Owner's Responsibility	Free — Developer Handles All	Free — Developer Handles All
 Energy Savings	100% of Generation	20% - 50% Discount off SP Tariff	<i>Passive Rental Income</i>
 REC Ownership	Client Retains All RECs	Developer Retains RECs	Developer Retains RECs
 Payback Period	4 – 7 Years	Immediate Savings	Immediate Revenue

 Best for long-term ROI: Outright Purchase. Best for zero-risk entry: Corporate PPA or Roof Leasing.

Technical Implementation Checklist

Before installation — confirm these critical on-site requirements



Electrical

Confirm spare breaker size — e.g. 200A for ~100kWp systems. Verify MSB capacity before design sign-off.



Roof Profile

Identify roof type — Klip-lok, Trapezoidal, or RC slab. Verify structural deadload capacity of approximately 15 kg per square metre.



Safety

Certified lifelines and fall protection must be in place for all installers before work commences on any roof level.



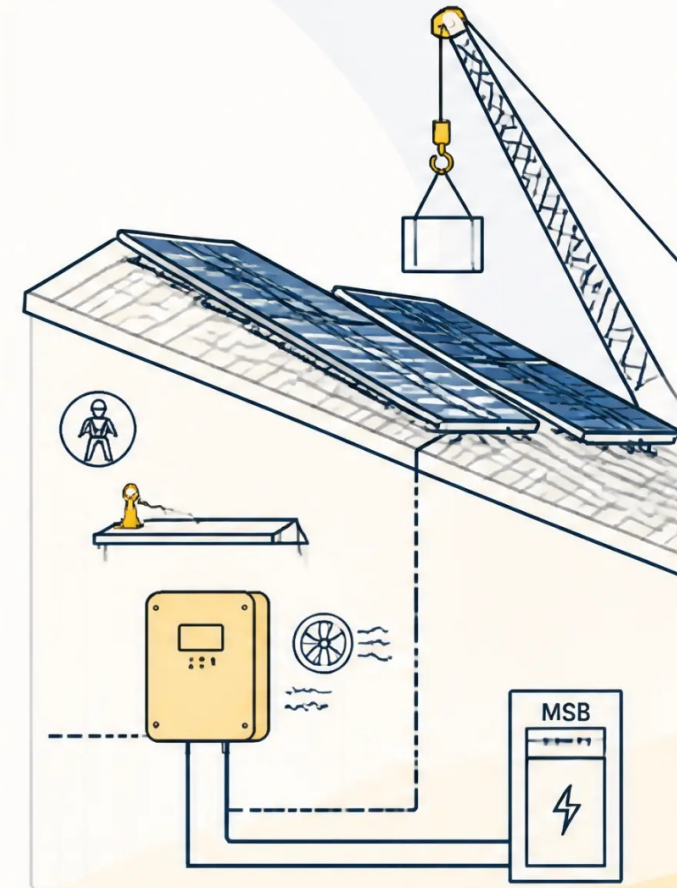
Access & Lifting

Identify crane and lifting access points for material delivery. Confirm scaffolding requirements and clear pathways to roof.



Inverter Placement

Select a shaded, well-ventilated area close to the MSB. Minimises voltage drop, reduces heat stress, and extends inverter lifespan.



ESG, CSR & Renewable Energy Certificates

Reducing Scope 2 Emissions Through Solar – And Unlocking Real Carbon Value

Scope 1

Direct Emissions

Fuel combustion, company vehicles, on-site processes



Scope 2

Purchased Electricity – Solar's Primary Target

Installing solar directly reduces grid electricity consumption and associated emissions



Solar Acts Here

Scope 3

Indirect Value Chain Emissions

Supply chain, business travel, product use – supported by REC procurement



Renewable Energy Certificates (RECs)

Each REC represents 1 MWh of verified clean energy generated

SGD 20 / MWh – Projected REC value in Singapore

SGD 45 / ton – Carbon tax rate rising in 2026

Outright Purchase retains full REC ownership for the client

As carbon taxes rise, RECs become a tangible financial asset – not just a sustainability badge.

ESG · NET ZERO

Corporate Offsetting and Net Zero Targets

How listed companies and data centers are using RECs to close the emissions gap

Singapore's carbon tax rises to SGD 45/ton in 2026 — RECs at ~SGD 20/MWh are now a strategic asset, not just a compliance checkbox.



Scope 2 Reduction

RECs directly offset purchased electricity emissions (Scope 2). Each REC represents 1 MWh of verified renewable generation — tradeable and reportable under GHG Protocol.



ESG Reporting & Disclosure

SGX-listed companies face growing pressure from investors and regulators to disclose verified emission reductions. RECs provide auditable, internationally recognized proof of clean energy use.



Data Centers: Major REC Buyers

Data centers are projected to consume ~20% of Singapore's grid by 2026. Hyperscalers and colocation providers are among the largest REC purchasers to meet Net Zero and RE100 commitments.

~SGD 20 / MWh

Projected REC value in Singapore

~20%

Of Singapore's grid consumed by data centers by 2026