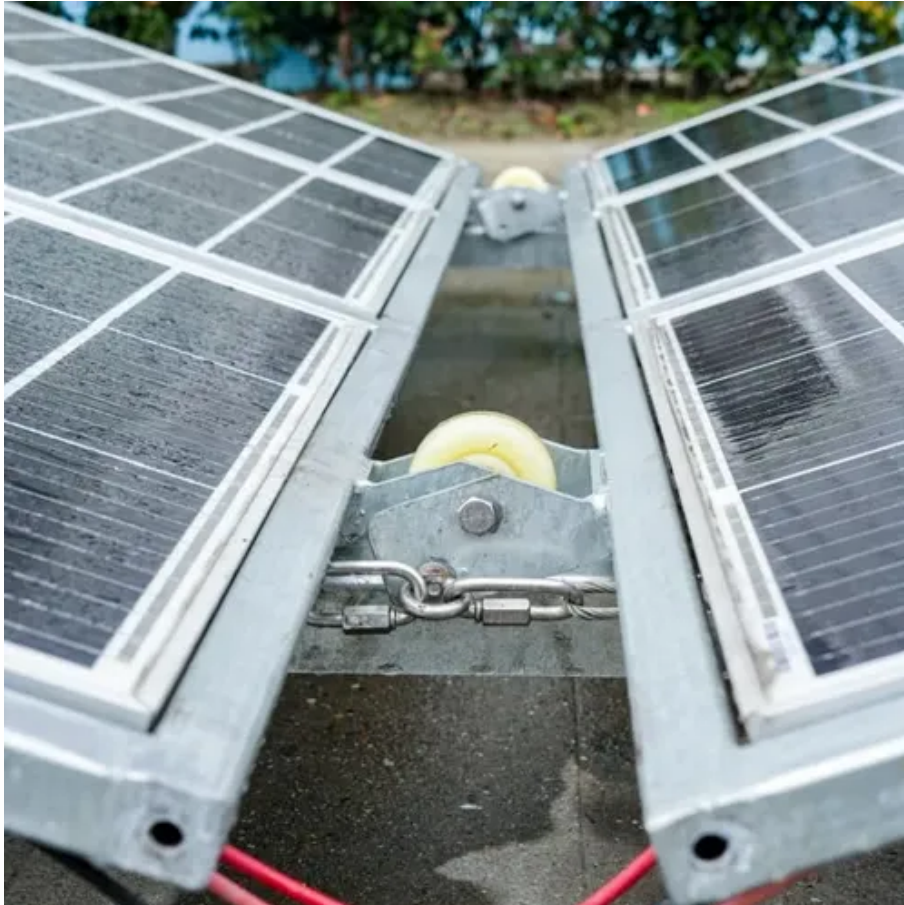




# Budget scheme for a 100kwh solar cabinet-based system used in a school





## Overview

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How many units does a 100kW solar system generate a day?

In ideal conditions, a 1kW solar plant would generate 4 units of energy every day. By this math, a 100kW system will generate: 1. Daily:  $4 \times 100 = 400$  units 2. Monthly:  $400 \times 30 = 12000$  units 3. Annually:  $12,000 \times 12 = 1,44,000$  However, these figures are based on lab conditions, derived during the testing process.

Is there a subsidy for solar power in India?

For RWAs and Housing societies, the Indian government offers financial assistance (20% of the benchmark cost) for system capacity up to 500kW. For commercial and industrial consumers, however, there is no such subsidy. But, consumers can avail benefits like accelerated depreciation on their solar plants.

How much space does a 100kW Solar System need?

Thus, a 100kW system would need 10,000 sq. ft. of roof or ground area. In the case of an integrated solar Inroof solution, on the other hand, 1kW capacity gets installed in 60-65sq.ft space. Solar Roofs like Ornate InRoof provide better area utilization than traditional systems and accommodate 26% more panels in the same space.

Can a solar system be used at a school?

These include general lighting, fans, mobile phone charging, security lighting AND a laptop computer, USB modem, and printer. Further, though not suggested as part of an "improved" system in Section 11.1, additional loads were included to show potential uses of a solar system at a school.



## Budget scheme for a 100kwh solar cabinet-based system used in a sc



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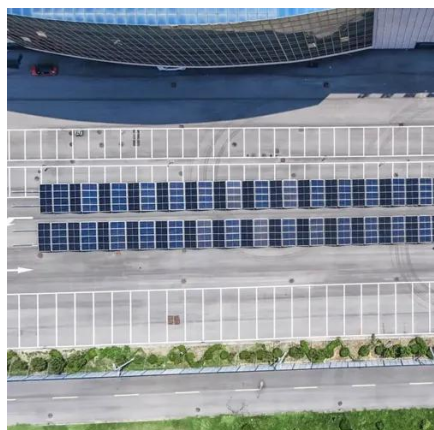
### Microsoft Word

This Stand-alone PV System Design Tool an excel-based template that is intended to create initial designs of off-grid, stand-alone PV power systems for health care ...



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The cost of a solar power plant depends on multiple factors including brand and quality of equipment, plant location, roof orientation, inverter type, style of mounting structure, ...

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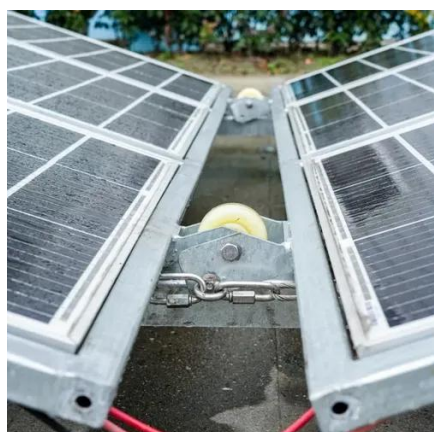


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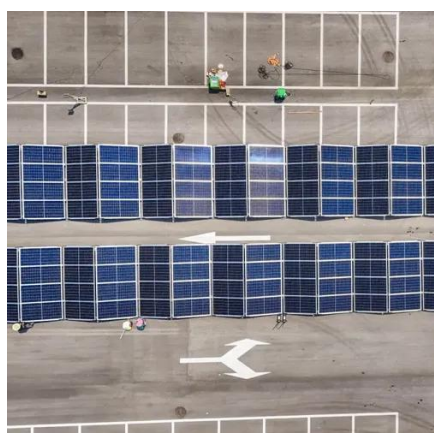
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