

Schindler 3300 Solar Elevator

100 % performance. Zero net energy use.

Technology for clean mobility

Today, a building's consumption of energy from non-renewable sources and the associated emissions negatively impacts the environment. Our goal is to reduce consumption as well as to push for the use of alternative energy sources. The Schindler Solar Elevator gets us closer to realizing this goal. It replaces as much as possible the use of grid energy as a main source with a renewable source – sunlight.

Hybrid Power Solution

Schindler delivers the elevator, a Hybrid Power Manager (HPM) and an Energy Storage Device (ESD) along with all connection interfaces. Photovoltaic panels (PV-panels) and their connection interfaces are supplied by the building. The solution works with existing or dedicated PV-panels. The Schindler 3300 forms the basis of the Schindler 3300 Solar Elevator.

The elevator

The Schindler 3300 is one of Schindler's most energy-efficient and successful elevators. It is easy to plan and equipped with the latest energy-saving features. If you order the Solar Elevator solution, you can plan the regular Schindler 3300 as the basis.



Benefits at a glance

Easy integration. Single-phase plug-in solution to the building.

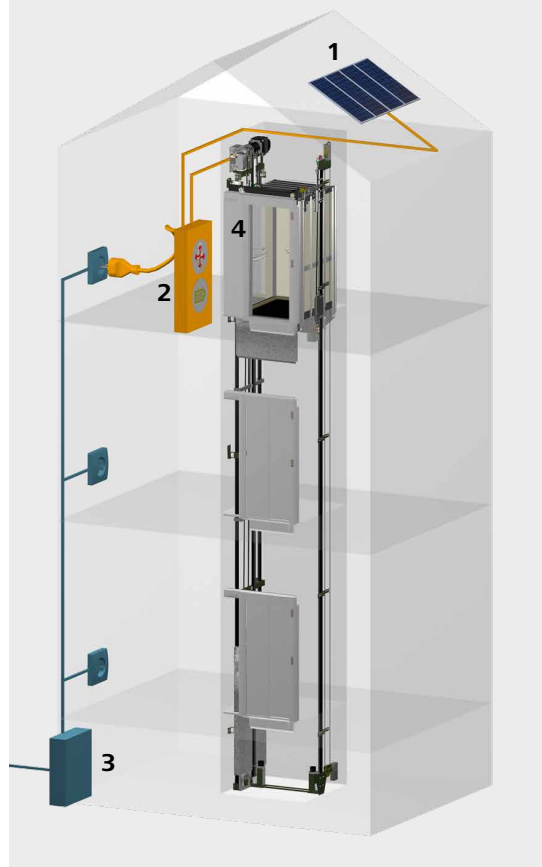
Availability. Continuous operation even in the event of a power cut.

Clean energy balance. Optimized energy supply with solar energy as the main source.

Energy regeneration. Energy is recuperated to charge the Energy Storage Device.



- 1 PV-panels
- 2 Hybrid Power Manager (HPM) and Energy Storage Device (ESD)
- 3 Single-phase building connection
- 4 Schindler 3300 elevator



Efficient and reliable operation

The elevator uses a smart power supply – renewable energy from sunlight and a back-up from the grid. Schindler’s Hybrid Power Manager optimizes the use of clean solar energy by controlling the energy distribution. It optimizes energy costs by making sure that the ESD is charged with solar energy as much as possible – or during the night from the grid when energy costs are low.

Technical specification and building interfaces

The Schindler 3300 Solar solution suits the requirements of residential and smaller commercial buildings.

The elevator can be operated in three modes – only as a single-phase elevator with a power back-up, with a PV-panel installation specifically for the elevator or connected to existing PV-panels that may supply the whole building.

In all modes the connection to the buildings is single-phase.

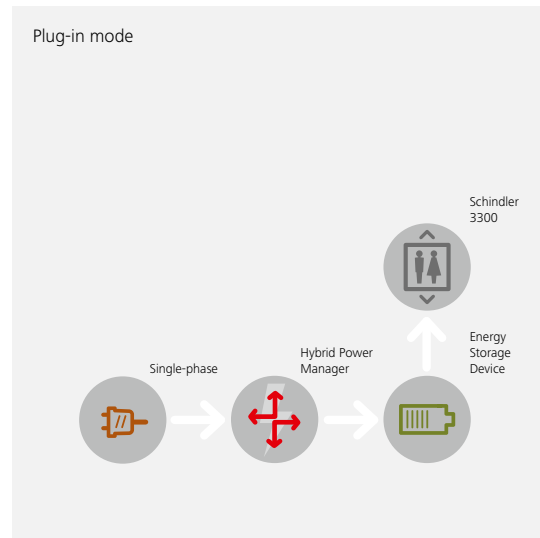
Schindler Solar Elevator

Elevator system	Schindler 3300*
Capacity	400-675 kg, 5-9 passengers
Entrance	One- or two-sided
Travel height	30 meter, 10 floors
Speed	1.0 m/s
Drive system	Machine-room less with gearless frequency controlled drive system

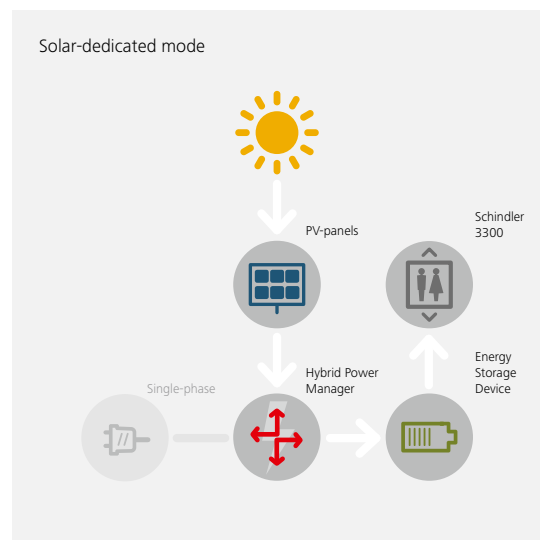
Hybrid Power Manager and Energy Storage Device

Location	Technical room or public space Max. 30 m distance to drive system
Cabinet	Lockable cabinet 600 x 379 x 1804 mm (w x d x h)
Battery	Covering up to 200 trips without charging
Interface	Building: Single-phase 230 V, 500 W PV-panel: Connection with standard market available PV-panels possible, specifications upon request

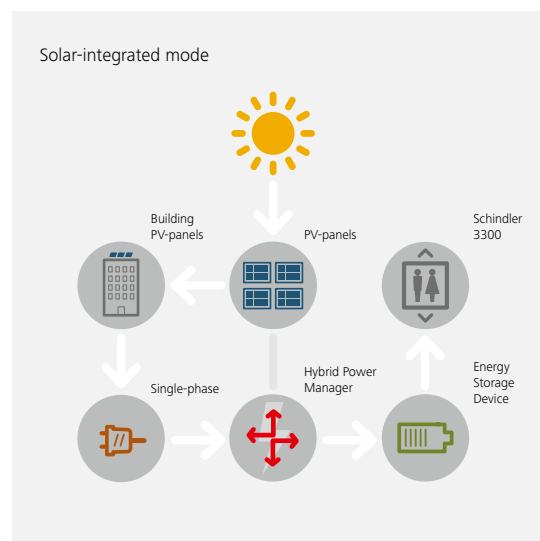
*Please refer to Schindler 3300 product brochure for planning data.



Secure operation with single-phase connection, Hybrid Power Manager and Energy Storage Device.



Solar energy supply directly linked to elevator.



Solar Elevator integrated into PV-panel installation of the building.

Please contact your personal Schindler consultant for further details or find your nearest Schindler office at:

www.schindler.com