

ABB Inverter Factory

Helsinki, Finland

NAPS

Power of Light



Solar electricity system installed on a solar inverter factory roof in Helsinki, Finland. The main purpose of the system is to provide real life conditions for inverter testing. The design of the system enables connection of different combinations of module strings to one or many inverters, according to the product development needs of the factory. The modules have been installed by using a light-weight, easy to install structure that does not require any penetration through the roof.



Completion	June 2010
Owner	ABB Oy
Location	Helsinki, Finland
Coordinates	60°13'13"N 24°52'29"E
Direction and tilt angle	South-West, 30°
Total array power	180,9 kW _p
Estimated annual generation	164.000 kWh
Total module surface area	1.223,9 m ²
Quantity of solar modules	870
Solar module type	Naps Pallas 215E PBW and Naps NP130GK
Solar module power	215 W _p and 130 W _p
Cell type	6" polycrystalline silicon cells
Mounting concept	Naps mounting structure on flat bitumen roof
Inverter type	ABB, changing models, due to test purposes
Number of inverters	Changing quantity, due to continuous testing

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