



view: module array – flat roof

Solar MEGAWATT-PROJECT

PV – Output:	1,1 MW _p
Modules:	SOLARWATT M220-60GET AK 228 / 230 / 235 Wp mono-crystalline modules
Location:	multy-storey car park, Waste Management Chemnitz AG, Germany
Costumer:	Elicon Energie Dienstleistungen & Consulting GmbH
Construction time:	July 2007 - September 2007
Area:	17.000 m ²



Mounting System

Location: slightly sloped flat roof

Mounting: on aluminium-profiles screwed to concrete slabs.

Elevation: 5°



Feed in

Power feeder:	10kV medium voltage (Public Services Chemnitz)
Power generation:	930.000 KWh
Supply:	500 households
CO ₂ -reduction:	600 t CO ₂ per year
Investment:	5,1 Mio. Euros



Inverters

Type: SMA Sunny Boy SMC 7000 TL
149 inverters
String conception

Air-cooled Transformer

Effective output: 1000 kVA
Frequency and voltage monitoring

Project overview

4768 modules at an area of 17.000 m²

Orientation: installation parallel to the flat roof

Project execution by Solarwatt AG / Sunstrom GmbH
Grid operator: Public Service Chemnitz AG

