

Elektro Mustermann  
 Musterstraße 21  
 54321 Musterstadt

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Muster Inc.  
 Mr Mustermann  
 Musterstraße 1  
 12345 Musterhausen

Tel.: +49 123 456-0  
 Fax: +49 123 456-100  
 E-Mail: info@el-mustermann.de  
 Internet: www.el-mustermann.de

### System overview (United States / Buffalo)



#### PV-module

CanadianSolar  
 CS 6P-230  
 Angle of inclination: 30° (Optimized)  
 Azimuth angle: 0°  
 Module x String: 12 x 2

#### Inverter

2 x Sunny Boy 5000US - 240VAC  
 Max. efficiency: 96.8 %; EU-efficiency: 95.77 %  
 Max. DC power: 5.3 kW; Max. AC power: 5.1 kW  
 Grid voltage/frequency: 240 V / 60 Hz

#### Technical data

|                             |                     |
|-----------------------------|---------------------|
| PV peak power :             | 11.04 kW            |
| Total number of modules :   | 48                  |
| Area of PV-generator :      | 78.4 m <sup>2</sup> |
| Number of inverters :       | 2                   |
| Max. DC power of inverter : | 10.60 kW            |
| Max. AC power of inverter : | 10.20 kW            |
| Inverter effectiveness :    | 96.0 %              |

|                                 |                |
|---------------------------------|----------------|
| Nominal power ratio :           | 96 %           |
| Yearly en. yield * :            | 13612 kWh      |
| Energy usability factor :       | 100.0 %        |
| Performance Ratio * :           | 84 %           |
| Spec. energy yield * :          | 1233 kWh/kWp   |
| Cable losses (% in PV-Energy) : | Not considered |

**Notes:** Room for your comments

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 Signature \*

\* Important note: The calculation of the yield is based on estimated values and mathematical models. SMA is in no case liable for the real yield, which can e.g. deviate due to contamination or different efficiencies of the modules.