

## **3. Silicon: General Properties and Technologies**

### **3.1 General Properties**

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#### **3.1.2 Diffusion**

#### **3.1.3 Mechanical, Thermal, and Other Properties**

### **3.2 Silicon Production**

#### **3.2.1 Single Crystals and Wafers**

#### **3.2.2 Silicon for Solar Cells**

#### **3.2.3 Crystal Lattice Defects in Si**

### **3.3 General Device and Product Considerations**

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#### **3.3.2 Scaling Laws**

### **3.4 Basic Silicon Devices**

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