


**Table 14.2.: Fire and Life Safety Requirements for Solar Power Generation Systems**

ITEMS	REQUIREMENTS
<b>7. FIRE DETECTION AND ALARM SYSTEM</b>	<ul style="list-style-type: none"> <li>i. Fire Detection and Alarm shall be provided to all the ancillary buildings such as control room, equipment room, storage room and inverter rooms of the solar energy generation plants and commercial installations, in accordance with <b>Chapter 8. Fire Detection and Alarm System.</b></li> <li>ii. Main FACP shall be located in control room with annunciator panel at security guard room or main panel shall be located at security guard room.</li> </ul>
<b>8. FIRE EXTINGUISHERS</b>	<ul style="list-style-type: none"> <li>i. In solar energy generating plants, Fire extinguishers shall be provided throughout ancillary buildings in accordance with <b>Chapter 4. Fire Extinguishers.</b></li> <li>ii. Trolley type, wheeled CO2 extinguishers, in accordance with <b>Chapter 4, Table 4.3.5.</b>, shall be provided at strategic locations throughout large outdoor solar panel installations, in an enclosed protected outdoor cabinet.</li> <li>iii. One Trolley type, wheeled CO2 extinguisher, in accordance with <b>Chapter 4, Table 4.3.5.</b>, shall be provided on roof, where solar panels are installed on roof.</li> <li>iv. Foam Type and Water Type extinguishers shall not be used on solar installation fires.</li> </ul>
<b>9. FIRE PROTECTION SYSTEM</b>	NOT REQUIRED. However, substations and transformers, if any, shall comply with <b>Section 2.1.</b> of this chapter.
<b>10. WARNING SIGNS</b>	<ul style="list-style-type: none"> <li>i. Warning signs shall be provided near all solar system installations, as shown.</li> </ul> <div style="text-align: center;">  <p>تحذير توجد خلايا شمسية (وحدات كهروضوئية لتوليد الكهرباء من اشعة الشمس) على سطح المبنى</p> </div>

