In meeting increasing global energy demand, the share of clean and renewable energy sources is increasing day by day. Therefore, manufacturers are now following closely in the green energy technologies and began to look for new investment areas. Although the textile industry may seem irrelevant to the energy sector, integrating textiles with developing new energy technologies will provide textile sector to be included in this growing market. Organic solar cells can be colored, transparent, and applied to flexible, light films. Lamination of this solar cells to the tulle and curtains provide to produce electric generating tulle and curtains. In this way, create new a profitable market for the textile industry and opportunities will arise.