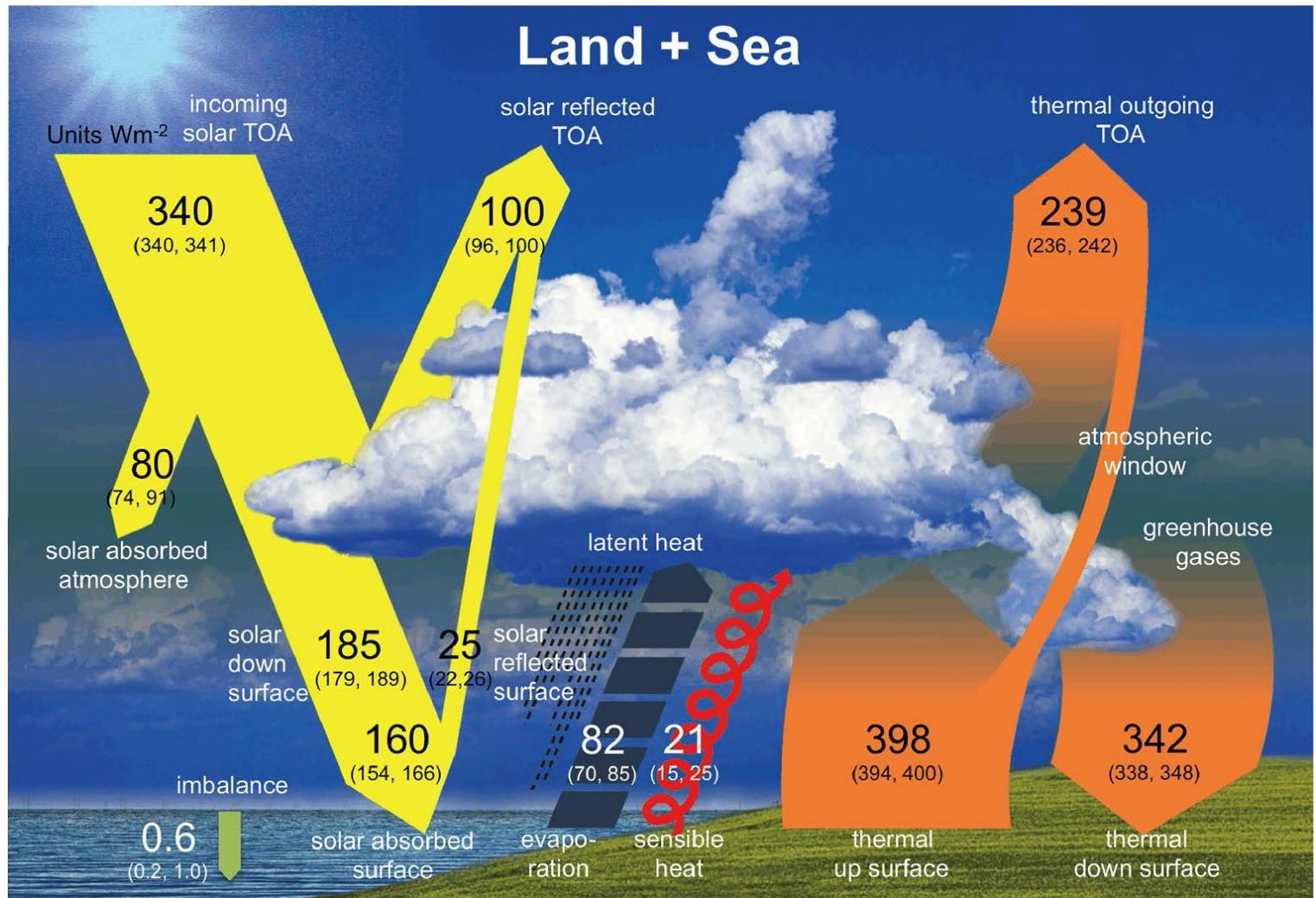
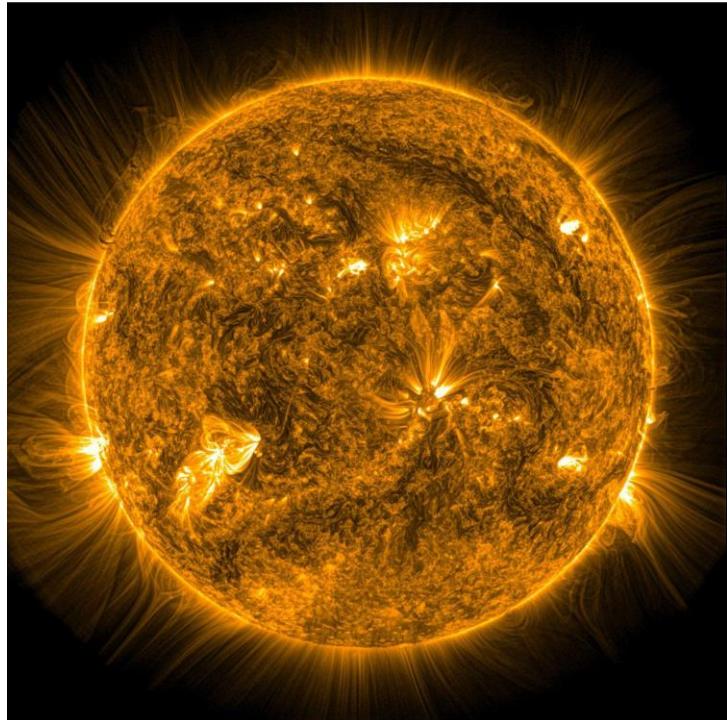


EE project: sun tracking system



Solar Energy



Solar Energy Applications



Water heater

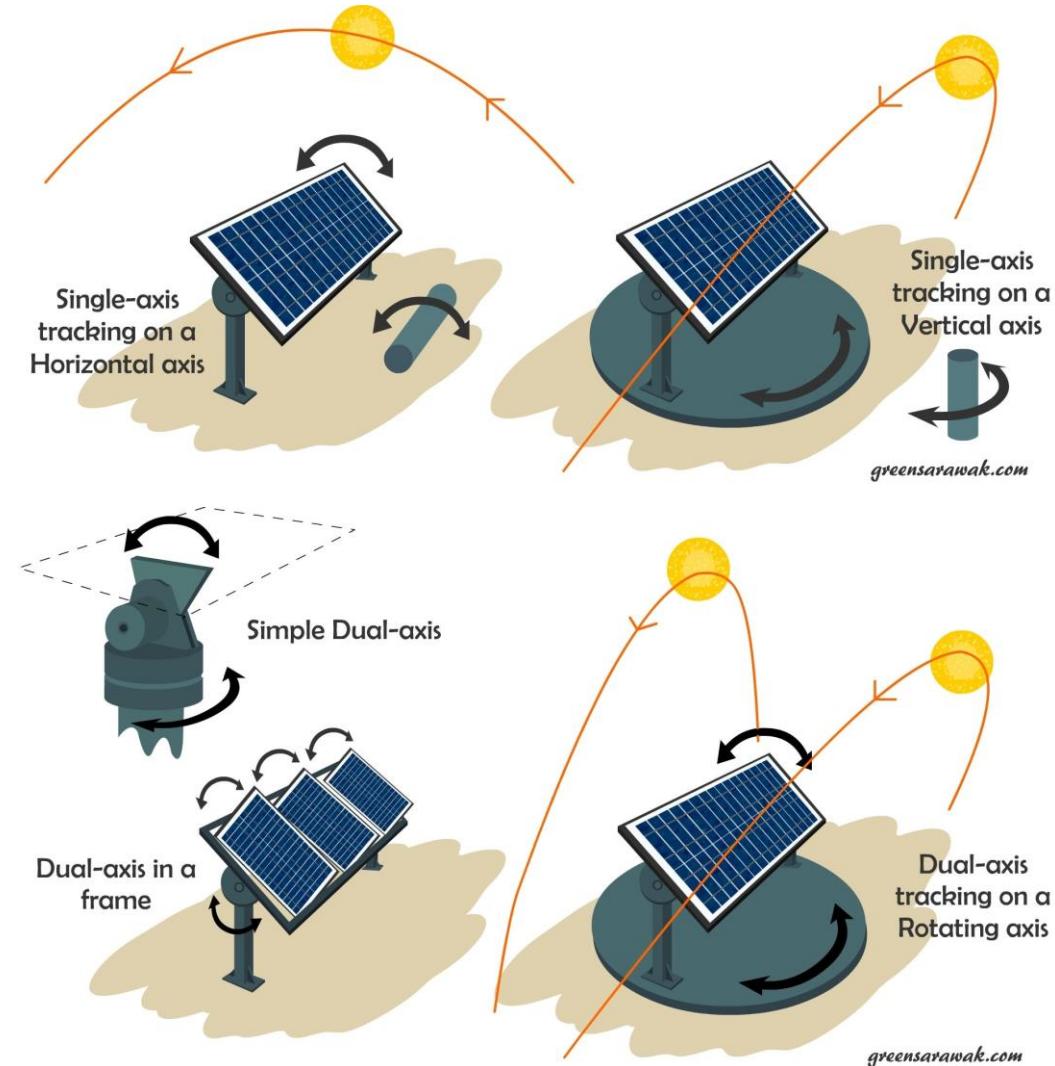
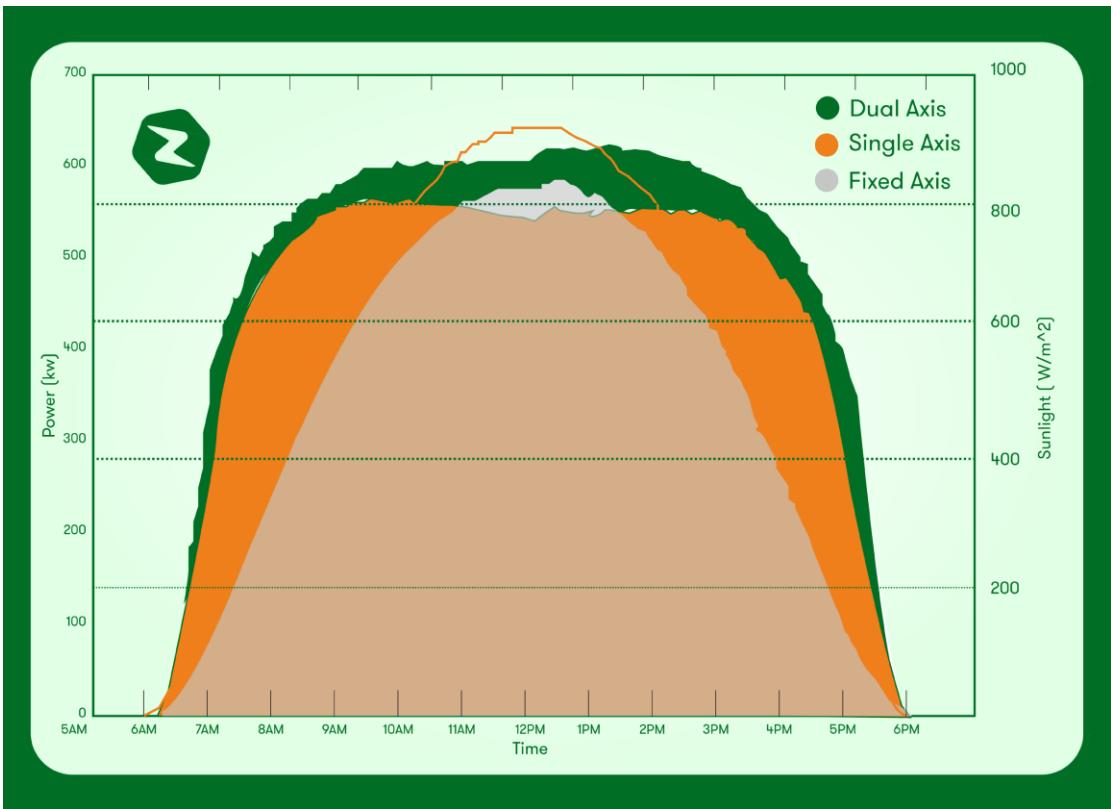


Molten salt power station



Photovoltaic cell

Sun Tracking Technologies



Sun Tracking in Power Station



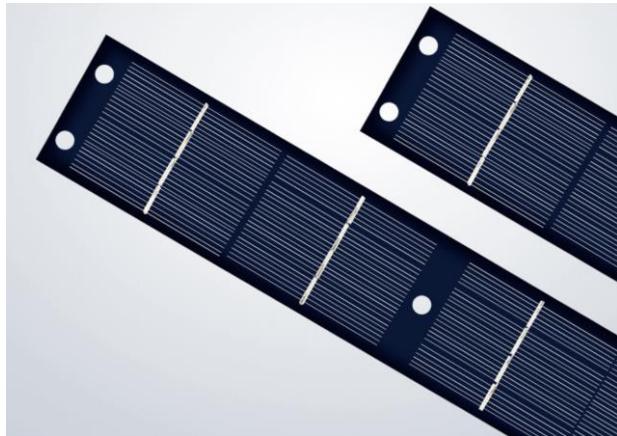
Project Materials



Dual-axis
servo



Arduino
development
platform



Solar cell panel



Light sensor

You Can Learn and Practice

- Circuit design 基础电路设计
- PCB design and layout 印刷电路板设计与制作
- Basic power electronics 基础能量转换技术
- Electromechanical control 机电控制
- CAD and 3D print 三维设计和3D打印
- Basic embedded system 基础嵌入式系统



电子设计

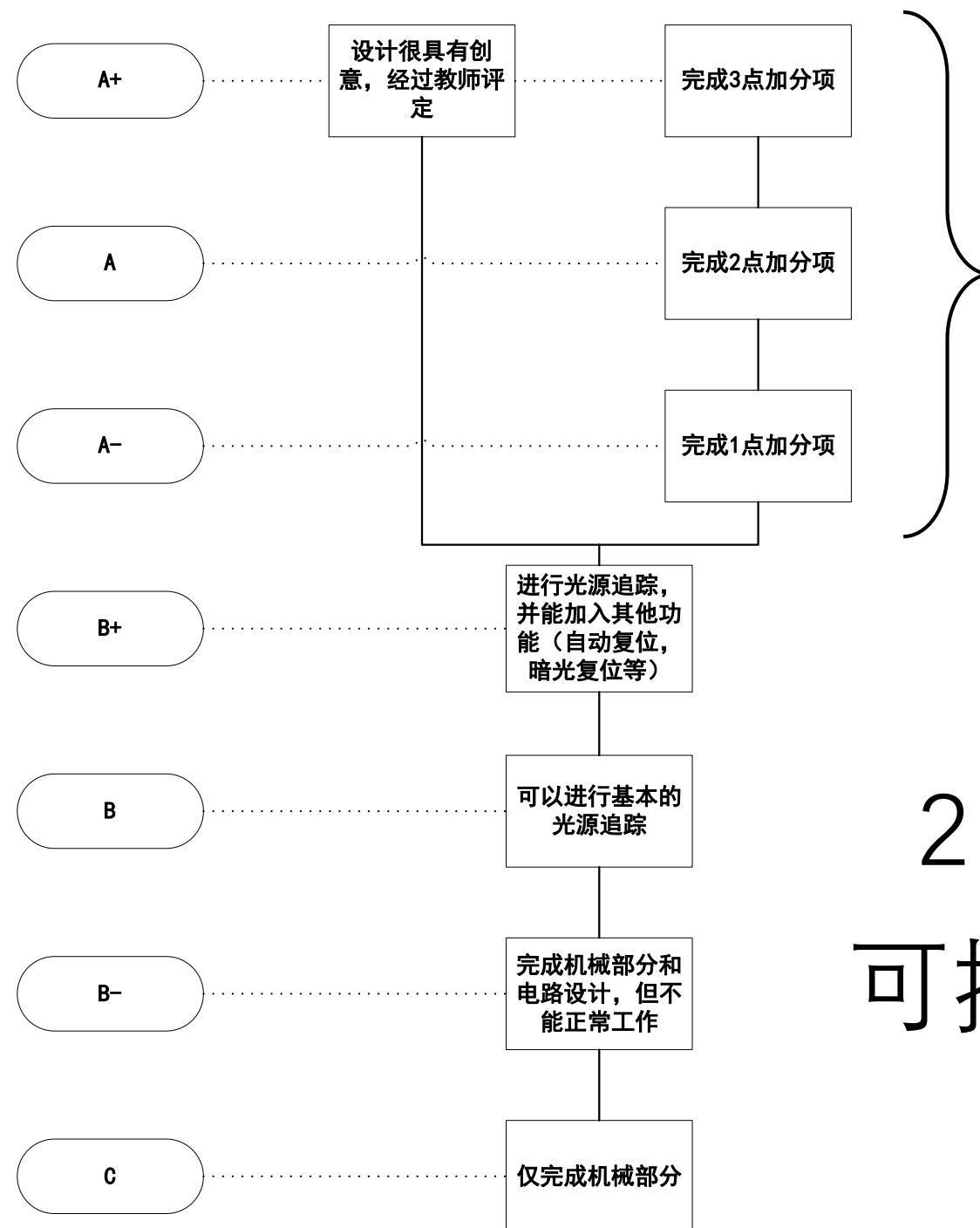


机械设计



计算机

Rubrics



加分项：

- 自行设计支架/安装板，并提交3D打印；
- 设计PCB，并提交制作；
- 对太阳能板输出电压进行DC/DC变压；
- 在3的基础上进行最大功率追踪；
- 其他创新内容，经评定符合加分要求的。

2~3人一组

可接纳约30组