

## Solar Components Considerations Time Outline

### 2-Hour Elective Course

#### Hour 1 – Solar Panels and Inverters

Time	Topic	Subtopic	Reference Material
5 Min	Welcome	Procedures	Pages 2-4
		Announcements	
		Facilities	
	Course Objectives	Instructor bio	
		Objectives	
20 Minutes	Solar Panels	Spec Sheets	Pages 5-13
		Power per Sq. Ft.	
		Solar Panel Exercise	
25 Minutes	Inverters	Spec Sheets	Pages 14-29
		String vs. Optimizer vs Microinverter	
		Inverter Exercise 1	
		Inverter Exercise 2	
10 Minutes	Break		Page 20

#### Hour 2 - Racking and Energy Storage

Time	Topic	Subtopic	Reference Material
20 Minutes	Racking	Pitched	Pages 21-26
		Ballasted	
		Ground Mount	
		Racking Exercise	
20 Minutes	Energy Storage	AC Coupled Example	Pages 27-30
		DC Coupled Example	
		Storage Exercise	
10 Minutes	Wrap-up	Objectives Review	Page 31
		Q&A	
Adjourn			

**Total Instructional Minutes = 100 Minutes**