

Modular Solar Arrays for Combustion Systems

Model# GM280W-
5.8KW



Solar Array		Battery Bank	
Inputs-		Inputs-	
Location	Edmonton	Reserve Days Required	10.0
System Voltage	24	Min. Temperature °C	-30
Load – Total Ahr/Day	11.9	Max. Depth of Discharge	80%
Solar Module	SX3140	Battery Model No.	Stark 121
Tilt Angle	90	Capacity/Unit – Ahr	121
Array De-Rating Factor	0.77	Voltage/Unit – V	12
Outputs-		Outputs-	
Parallel Modules	1	Capacity Required - Ahr	248
Total No. of Modules	2	Parallel Batteries	2
Peak Current	8.00	Total Batteries	4
Min. Array to Load Ratio	1.31	Battery Bank Capacity	242
		Reserve Days	9.8

