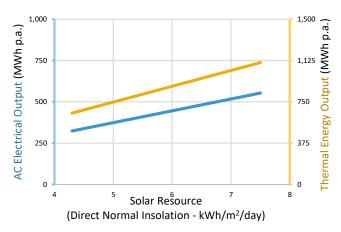


R1-0.2MW_e

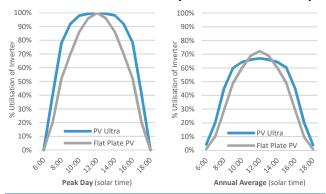
Product Data Sheet

ELECTRICAL DATA	
Rated power DC ¹	240 kW _{DC}
Nominal Power AC ²	215 kW _{AC}
Receiver efficiency ³	34%
Cell type	Triple Junction
Nominal Cell Operating Temp.	65°C
THERMAL DATA	
Rated power	440 kW _{th}
Supply temp.	50°C
Required return temp.	< 40°C
Flow rate (if return temp. @ 20 <i>Electricity-only option available</i>	
TOWER AND FIELD	
Tower height	25 m
Heliostat mirror area	14.5 m ²
No. of heliostats	68
Total mirror field area	986 m ²
LAND AREA	
Acres/MW _{DC}	6.6
System Footprint (non-optimise	
	80m N-S
COOLING	
Туре	Closed Loop
Water Usage	None
OPERATING CONDITION	
Ambient temp.	-20 to +50°C
Operational wind speed	13 m/s
Survival wind speed	45 m/s
Hail survival	25mm dia. at 23 m/s

ANNUAL ENERGY PRODUCTION⁴



DAILY ELECTRICITY PROFILE (COMPARISON TO PV)⁵



REFERENCES

1 Standard Test Conditions: 1,000 W/m2 direct irradiance, 25C cell temp. and AM1.5D (standard solar atmospheric condition) 2 Peak AC at inverter output, Nominal Operating Conditions: 1,000 W/m2 direct irradiance, 65°C cell temp., AM1.5D; includes losses due to cooling parasitics, inverter and cabling 3 At Standard Test Conditions

4 Based on modelling using site solar resource data. Assumes constant loss of 3% due to mirror soiling and 100% sunshine hours availability

5 NREL System Advisor Model. Typical Meteorological Year with site daily Average DNI = 5.9kWh/m2

Updated October 2017 (*REV_C2*). This data sheet provides general information only and may be subject to change without notice.