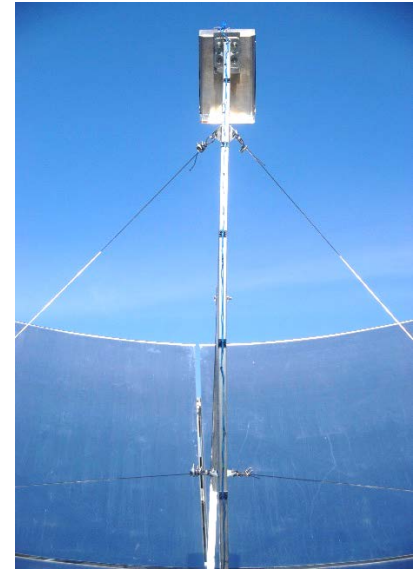


# Z10

## Combined Heat & Power



## Applications

Ideal for providing hot water and electricity for commercial and industrial applications

- ✓ Process hot water and electrical power for manufacturing
- ✓ Municipalities and district heating
- ✓ Hospitals, hotels, and resorts
- ✓ Correctional facilities, military installations, and dormitories

# >67%

## Overall System Efficiency

- Combined hot water and electricity gives the best of both technologies in one system!
- Designed for long-term industrial operation
- State-of-the-art triple-junction solar cell >39% efficiency
- 10 Year Warranty

## Proven Reliability

### Triple Junction Solar Cell

- Z10's solar cell technology designed from legacy mature space applications
- Precision 2-axis tracking follows the sun providing stable electric and hot water generation all day
- User-friendly web-based monitoring system

## Cost Effective

### Easy Install and Quick Payback

- Installation takes less than a day with a two-men crew
- Optimized land usage, penetration or ballasted foundations
- Extremely quick payback period in sunny regions

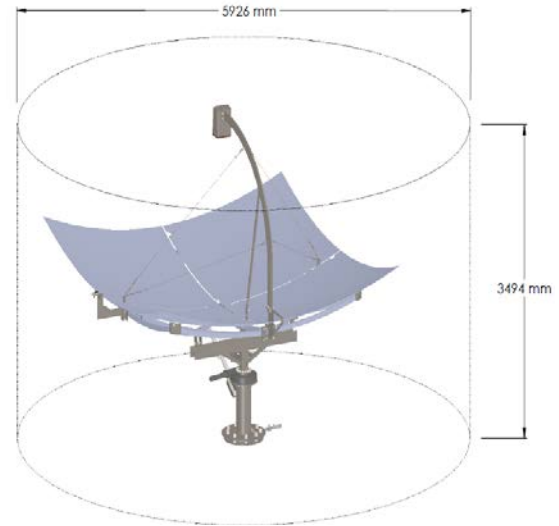
# Z10

## Combined Heat & Power Specifications



CATEGORY	DESCRIPTION	METRICS	
General	Total aperture area	[m <sup>2</sup> ]	12
	Tracking technology	2-axis	
	Azimuth range	[ ° ]	0-360°
	Elevation range	[ ° ]	10-95°
	Tracking control	Open loop or closed loop with sun-sensor feedback	
Electricity	Nominal electrical power*	[kW <sub>dc</sub> ]	1.5
	Open-circuit voltage*	Voc [V]	218
	Short-circuit current*	Isc [A]	13
	Operating voltage*	Vmp [V]	146.5
	Operating current*	Imp [A]	10.2
Thermal	Nominal thermal power*	[kW <sub>th</sub> ]	6.5
	Working fluid	RODI water or coolant	
	Max fluid supply temperature	[°C]	70°
	Nominal fluid flow	[L/min]	6-9
Physical Properties	Max operating wind speed	[km/h]	40
	Permissible wind speed	[km/h]	170
	Weight	[kg]	540
	System height	[m]	3.5
Compliance	CE(IEC 62108), UL-8703		
Mounting	Penetration or ballast mounted		

Notes: \* Rated at 1 kW/m<sup>2</sup> direct normal irradiance, 8 LPM Flow Rate, 40 C Input Temp



## Contact Us



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## System Layout

- A Z10 CHP system includes 4 X Z10 CHP solar collectors, 1 X pump station, cabling, and plumbing

