

Annex to Solar Keymark Certificate					Licence Number		011-7S2478 F				
					Date issued		2025-07-14				
					Issued by		DIN CERTCO				
Licence holder		Agena SA			Country		Switzerland				
Brand (optional)					Web		www.agena-energies.ch				
Street, Number		Route de l'industrie 2			E-mail		agenta@agenta-energies.ch				
Postcode, City		CH-1072 Forel (Lavaux)			Tel		+41 21 905 2656				
Collector Type					Flat plate collector						
Collector name		Gross area (A _G) m ²	Gross length mm	Gross width mm	Gross height mm	Power output per collector G _b = 850 W/m ² , G _d = 150 W/m ² & u = 1.3 m/s θ _m - θ _a					
						0 K	10 K	30 K	50 K	70 K	105 K
						W	W	W	W	W	W
AZUR 8+ AC 2.8V		2.77	2'370	1'167	101	2'080	1'988	1'788	1'568	1'328	860
AZUR 8+ AC 2.8H		2.79	1'190	2'347	101	2'095	2'002	1'801	1'579	1'338	867
Power output per m ² gross area						751	718	645	566	479	311
Performance parameters test method		Steady state - outdoor									
Performance parameters (related to A _G)		η ₀ , b	a1	a2	a3	a4	a5	a6	a7	a8	Kd
Units		-	W/(m ² K)	W/(m ² K ²)	J/(m ³ K)	-	J/(m ² K)	s/m	W/(m ² K ⁴)	W/(m ² K ⁴)	-
Test results		0.766	3.25	0.009	0.000	0.00	2'348	0.000	0.00	0.0E+00	0.87
Incidence angle modifier test method		Steady state - outdoor									
Incidence angle modifier		Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°
Transversal		K _{θT, coll}	1.00	0.99	0.98	0.96	0.93	0.85	0.64	0.34	0.00
Longitudinal		K _{θL, coll}	1.00	0.99	0.98	0.96	0.93	0.85	0.64	0.34	0.00
Heat transfer medium for testing						Water-Glycole					
Flow rate for testing (per gross area, A _G)						dm/dt	0.020	kg/(sm ²)			
Maximum temperature difference during thermal performance test						(θ _m -θ _a) _{max}	75	K			
Standard stagnation temperature (G = 1000 W/m ² ; θ _a = 30 °C)						θ _{stg}	200	°C			
Maximum operating temperature						θ _{max op}	170	°C			
Maximum operating pressure						p _{max, op}	600	kPa			
Testing laboratory		SPF Institute for Solar Technology				www.spf.ch					
Test report(s)		C1898 C1961				Dated		21.06.2024 14.07.2025			
Comments of testing laboratory						Draft Ver. 6.2 (22.09.2021)					
						 INSTITUT FÜR SOLARTECHNIK 					
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