




Annex to Solar Keymark Certificate - Summary of EN ISO 9806:2013 Test Results						Licence Number		OEM 9999/1/11			
						Date issued		2020-01-20			
						Issued by		DQS Hellas			
Licence holder	DAK INDUSTRIES					Country	France				
Brand (optional)						Web	www.dakindustries.fr				
Street, Number	N° SIRET 75059074700028, 126 CHEMIN FREDELIN					E-mail	info@dakindustries.fr				
Postcode, City	97410 ST PIERRE, REUNION					Tel	+262 262 717 202				
Collector Type						Flat plate collector, glazed					
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 θ _m - θ _a						
					0 K W	10 K W	30 K W	50 K W	70 K W	50 K W	
FOX AL C 15	1,50	1.480	1.010	86	1.142	1.085	961	819	661	819	
FOX AL C 15H	1,50	1.010	1.480	86	1.142	1.085	961	819	661	819	
FOX AL C 18	1,82	1.480	1.230	86	1.385	1.317	1.166	994	802	994	
FOX AL C 18H	1,82	1.230	1.480	86	1.385	1.317	1.166	994	802	994	
FOX AL C 20	2,00	1.980	1.010	86	1.522	1.447	1.281	1.092	881	1.092	
FOX AL C 20H	2,00	1.010	1.980	86	1.522	1.447	1.281	1.092	881	1.092	
FOX AL C 24	2,37	1.930	1.230	86	1.804	1.715	1.518	1.294	1.044	1.294	
FOX AL C 24H	2,37	1.230	1.930	86	1.804	1.715	1.518	1.294	1.044	1.294	
FOX AL C 27	2,72	2.160	1.260	86	2.070	1.968	1.742	1.485	1.198	1.485	
FOX AL C 27H	2,72	1.260	2.160	86	2.070	1.968	1.742	1.485	1.198	1.485	
Power output per m ² gross area					761	724	640	546	440	546	
Performance parameters test method		Steady state - outdoor									
Performance parameters (related to AG)		η ₀ , hem	a ₁	a ₂							
Units		-	W/(m ² K)	W/(m ² K ²)							
Test results		0,761	3,600	0,014							
Incidence angle modifier test method		Steady state - outdoor									
Bi-directional incidence angle modifiers		No									
Incidence angle modifier		Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°
Transversal		K _{θT, coll}					0,96				0,00
Longitudinal		K _{θL, coll}					0,96				0,00
Heat transfer medium for testing		Water									
Flow rate for testing (per gross area, A _G)		dm/dt	0,021	kg/(sm ²)							
Maximum temperature difference for thermal performance calculations		(θ _m -θ _a) _{max}	50	K							
Standard stagnation temperature (G = 1000 W/m ² ; θ _a = 30 °C)		θ _{stg}	190,5	°C							
Effective thermal capacity, incl. fluid (per gross area, A _G)		C/m ²	10,85	kJ/(Km ²)							
Maximum operating temperature		θ _{max op}	200	°C							
Maximum operating pressure		p _{max,op}	1000	kPa							
Testing laboratory		NCSR Demokritos				www.solar.demokritos.gr					
Test report(s)		4195 DE2 4196 DE2 4197 DQ3				Dated		16/11/2016 16/11/2016 2/6/2017			
Comments of testing laboratory		Datashet version: 5.01, 2016-03-01									
		<p><i>This data sheet was issued based on data appeared in the first SKM certificate.</i></p> 									
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