




Annex to Solar Keymark Certificate						Licence Number		OEM 10045/1									
						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											
Collector name						Power output per collector G _b = 850 W/m ² , G _d = 150 W/m ² & u = 1.3 m/s $\vartheta_m - \vartheta_a$											
						Gross height	Gross area (A _G)	Gross length	Gross width	Aperture area (A _a)	0 K	10 K	30 K	50 K	70 K	84 K	
						mm	m ²	mm	mm	m ²	W	W	W	W	W	W	
FOXAL20						71	2,01	1.984	1.014	1,88	1.274	1.203	1.028	808	544	339	
Power output per m ² gross area						634	599	511	402	271	169						
Performance parameters test method			Quasi dynamic														
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			0,644	3,26	0,028	0,000	0,00	0	0,000	0,00	0,0E+00	0,89					
Incidence angle modifier test method			Quasi dynamic - outdoor														
Incidence angle modifier			Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°					
Transversal			K _{GT, coll}	1,00	0,99	0,96	0,92	0,85	0,75	0,59	0,36	0,00					
Longitudinal			K _{GL, coll}	1,00	0,99	0,96	0,92	0,85	0,75	0,59	0,36	0,00					
Heat transfer medium for testing						Water-Glycole											
Flow rate for testing (per gross area, A _G)						dm/dt	0,021	kg/(sm ²)									
Maximum temperature difference during thermal performance test						($\vartheta_m - \vartheta_a$) _{max}	53,6	K									
Standard stagnation temperature (G = 1000 W/m ² ; $\vartheta_a = 30$ °C)						ϑ_{stg}	139,24	°C									
Maximum operating temperature						$\vartheta_{max, op}$	160	°C									
Maximum operating pressure						p _{max, op}	1000	kPa									
Testing laboratory			NCSR Demokritos / Solar & other Energy Systems			www.solar.demokritos.gr											
Test report(s)			4249 DE1 4250 DQ1			Dated		12/6/2019 1/8/2019									
Comments of testing laboratory						Datasheet version: 6.0, 2018-10-30											
																	
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