

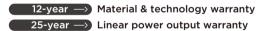


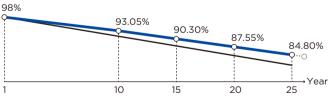
DHM-60X10/FS(BW)

450~460W

No Dust and Dirt on the Surface Increase Power Generation

Quality Guarantee





DAH Solar Linear power output gurarantee Standard Linear power output gurarantee

Comprehensive Products & System Certificates















IEC 61215 / IEC 61730 / CE / FIDE / INMETRO ISO 45001: 2018/International standards for occupational health & safety ISO 14001: 2015/Standards for environmental management system ISO 9001: 2015/Quality management system



Increase power generation by 6.15%+ Panel is capable to decrease power generation loss caused by Dust, reduce the hot spot risk.



Curved Surface 128° R Angle Reduce holding pressure by 75%+ Curved Frame with ergonomic Design,optimized Delivery and Installation Experience.



Revolutionary Assembling Technology Using excellent frame assembling technology, Strong Adhesion, Durable in Use.



Excellent mechanical load capacity
Certified by Dust-Sand, Salt-Mist, Ammonia etc.
weather resistance tests and enhanced mechanical
load: wind load (2400 Pa) and snow load (5400 Pa).

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450~460W



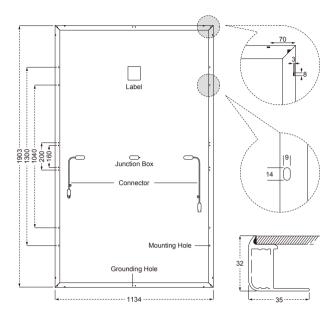
Mechanical Specification

Cable	4.0mm², 300/400mm in length,
(Including connector)	length can be customized
No.of Cells	120 (6×20)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	23.8kg
Cells Type	Mono 182×91mm
Dimension (L×W×T)	1903×1134×32mm
Packing	34pcs/pallet, 816pcs/40HQ

Operating Parameters

Maximum system voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	25A
Snow load, frontside/Wind load, backside	5400Pa/2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Design



STC —— Electrical Characteristics							
Module Type		DHM-60X10/FS(BW)					
Maximum Power (Pmax/W)	450	455	460				
Open-circuit Voltage (Voc/V)	41.6	41.8	42.0				
Maximum Power Voltage (Vmp/V)	35.2	35.4	35.6				
Short-circuit Current (Isc/A)	13.66	13.72	13.78				
Maximum Power Current (Imp/A)	12.78	12.85	12.92				
Module Efficiency (%)	20.85	21.08	21.32				

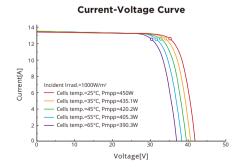
Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.05%/°C, Temperature Coefficient of Voc: -0.31%/°C, Temperature Coefficient of Pmax: -0.35%/°C

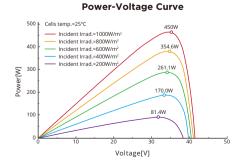
Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

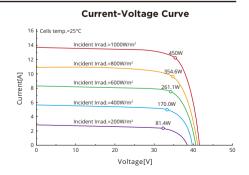
NOCT —— Electrical Characterist	ics		
Maximum Power (Pmax/W)	450	455	460
Open-circuit Voltage (Voc/V)	39.4	39.6	39.7
Maximum Power Voltage (Vmp/V)	33.3	33.5	33.7
Short-circuit Current (Isc/A)	11.02	11.07	11.12
Maximum Power Current (Imp/A)	10.15	10.21	10.26

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-60X10/FS(BW)-450W

















DACH PŁASKI. FLAT ROOF.

SYSTEM CORAB PB-092, PB-093 CLICK-IN





Material / Material: Magnelis / Magnelis

Magnelis®

Modules layout landscape: Kat / Indeks / Powierzchnia dla 8 modułów/ Angle: Index: Mounting surface			
		dla 8 modułów/	Masa systemu (na 8 moduły) / Weight per 8 modules:
250	XFS PB092	23 m²	56,4 kg

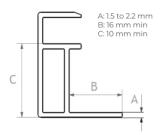
- Błyskawiczny montaż
- Łatwość rozbudowy
- System bezklemowy
- Łatwy transport
- Bardzo mało elementów
- Możliwość montażu inwazyjnego bądź obciążonego balastem
- Mocowanie i uziemienie w jednej czynności
- Montaż modułu w mniej niż 30 sekund
- Niższe koszty konserwacji: brak śrub, nie wymaga okresowej kontroli momentu obrotowego
- Redukcja ryzyka gorących punktów dla modułów PV dzięki elastycznemu mocowaniu
- Konstrukcja zapobiegająca kradzieży
- Testowany przez akredytowane laboratoria i certyfikowany przez największych producentów modułów

ArcelorMittal

Układ modułów pionowy / Modules layout landscape:

Kąt / Angle:	Indeks / Index:	Powierzchnia dla 8 modułów/ Mounting surface for 8 modules:	Masa systemu (na 8 moduły) / Weight per 8 modules:
20°	XFS_PB093	23 m²	59,3 kg

- Quick assembly
- Simplicity of extension
- No clamp system
- Easy to transport
- Only few elements
- Penetrating or ballasted option
- Fastening and grounding in a single operation
- Module installed in less than 30 seconds
- Instaler- friendly: no need to climb on structure, panels can be fixed from underneath the array
- Hot spot risk reduction thanks to elastic mechanical clamping
- Anti-theft design
- Tested by accredited laboratories & approved by major modules manufacturers













fotowoltaika.corab.eu







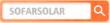
Three-Phase Dual-MPPT

- Remote firmware upgrade
- 98.6% Maximum efficiency 98.6%
- Smart string level monitoring
- SPD Type II SPD for both DC and AC
- 1100v Maximum DC input voltage I I 00V
- Natural cooling, no fans, low noise
- Low start-up voltage, wide MPPT voltage









Datasheet	3.3KTLX-G3	SOFAR 4.4KTLX-G3	SOFAR 5KTLX-G3-A	SOFAR 5.5KTLX-G3	SOFAR 6.6KTLX-G3	SOFAR 8.8KTLX-G3-A	SOFAR 8.8KTLX-G3	SOFAR 10KTLX-G3-A	SOFAR IIKTLX-G3-A	SOFAR IIKTLX-G3	SOFAR 12KTLX-0
Input (DC)											
Recommended Max. PV input power	4500Wp	6000Wp	7500Wp	7500Wp	9000Wp	12000Wp	12000Wp	15000Wp	15000Wp	15000Wp	18000Wp
Number of MPP trackers						2					
Number of DC inputs	1/1	1/1	1/1	1/1	1/1	1/2	1/1	1/2	1/2	1/1	1/2
Max. input voltage						1100V					
Start-up voltage						160V					
lated input voltage						650V					
1PPT operating voltage range						140V-1000V					
Full power MPPT voltage range	160V-850V	190V-850V	240V-850V	240V-850V	290V-850V	380V-850V	380V-850V	420V-850V	420V-850V	420V-850V	460V-850
Max. input MPPT current	15A/15A	15A/15A	15A/15A	15A/15A	15A/15A	15A/30A	15A/15A	15A/30A	15A/30A	15A/15A	15A/30A
Max. input short circuit current per MPPT	22.5A/22.5A	22.5A/22.5A	22.5A/22.5A	22.5A/22.5A	22.5A/22.5A	22.5A/45A	22.5A/22.5A	22.5A/45A	22.5A/45A	22.5A/22.5A	22.5A/45
Output (AC)											
Rated power	3000W	4000W	5000W	5000W	6000W	8000W	8000W	10000W	10000W	10000W	12000W
Rated apparent power	3000VA	4000VA	5000VA	5000VA	6000VA	8000VA	8000VA	10000VA	10000VA	10000VA	12000V
Max. AC power	3300VA	4400VA	5000VA	5500VA	6600VA	8800VA	8800VA	10000VA	11000VA	11000VA	13200VA
Max. Output current	5A	6.7A	7.6A	8.3A	10A	13.3A	13.3A	15.2A	16.7A	16.7A	20A
Nominal grid voltage			== :			, 220V/380Vac, 230V		. ,=			
Grid voltage range						Vac (According to lo					
Nominal frequency						50 / 60Hz	/				
Grid frequency range					45Hz-55Hz/54H	Hz-66Hz (According t	o local standard)				
Active power adjustable range					13112 33112,311	0~100%	o rocar starroar a)				
THDi						<3%					
Power factor					1 de	efault (adjustable+/-0	0. 8)				
Performance											
Max efficiency	98.40%	98.40%	98.40%	98.40%	98.40%	98.50%	98.50%	98.50%	98.50%	98.50%	98.50%
European efficiency	97.50%	97.50%	97.50%	97.50%	97.50%	98.00%	98.00%	98.00%	98.00%	98.00%	98.00%
Protection											
DC reverse polarity protection						Yes					
Anti-islanding protection						Yes					
Leakage current protection						Yes					
Ground fault monitoring						Yes					
PV-array string fault monitoring						Yes					
Anti reverse power function						Yes					
DC switch						Yes					
AFCI protection						Optional					
Input / output SPD					PV: type I	standard, AC: type	l standard				
Communication											
Standard communication mode					RS485/ USB/ B	luetooth, Optional: V	ViFi / GPRS /4G				
General Data											
Ambient temperature range						-30°C∼+60°C					
Self-consumption at night						< I W					
Topology						Transformerless					
Degree of protection						IP65					
Allowable relative humidity range						0~100%					
Max. Operating altitude						4000m					
Noise						≤40dB					
Weight	l 7kg	l 7kg	17kg	l7kg	l 7kg	l 7kg	l 7kg	l 8kg	l 8kg	l 8kg	l 8kg
Cooling						Natural		-			J
Dimension						430*385*182mm					
Display					L	CD&Bluetooth +AP	P				
Standard warranty						10 years					
Standard											
EMC				EN61000-3-2	. EN61000-3-3 FN6	51000-3-11, EN61000-	3-12.EN61000-6-1	EN61000-6-3			
Safety standards						6, IEC61727, IEC616					
	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16,										
Grid standards					7, VDE V 0124-10 NE 206 007-1, EN						