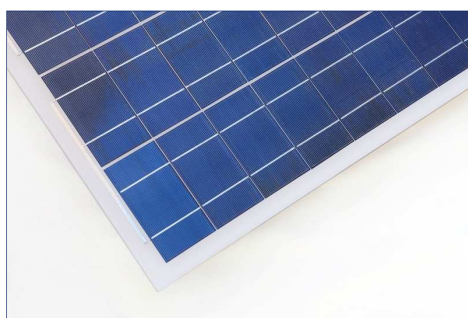




The New Generation of **Xtremely** light Panels

with ICYCELLS® design



DATA SHEET QS 140 QLX

Polycrystalline Frameless Module

The revolutionary **Xtremely** light module

QSOLAR leads solar panel technology with innovative ideas and a wide range of products designed to meet the needs of any solar power application.

Our modules are encapsulated and protected using SPRAYTEK99® technology offering higher protection than glass and EVA.

The New QLITE.X® 140 QLX is by far the lightest panel in the world, 70% lighter than any conventional modules as it weighs only 5.6 Kgs or 12.35 lbs !

It incorporates a new UV reflector layer so that UV is not absorbed in the panel and doesn't increase the temperature anymore. The module also incorporate ICYCELLS® technology with air circulating cooling ducts behind the cells so the panel runs much cooler than any other standard module; and with high quality custom made silver tab ribbons , it eliminates resistive losses.

The Zstress® design from QSOLAR is also a unique feature of this module; it is now rigid but flexible so it can slightly expand by changing shape and then return to its original position due to temperatures differences...the result is not having stress anymore and the panel will last for ever.

QLITE.X® 140 QLX module is not only an Xtremely light module , it is unbreakable , is salt protected with no metal parts to corrode anymore and is available in transparency and/or in any color...



NO EVA, NO TPT, NO GLASS !



10 YEARS WARRANTY



ULTRA LIGHT, 5.6 Kgs only ...EASY TO HANDLE & REDUCE INSTALLATION COST



NEW UV REFLECTOR LAYER



NO EXPOSED METAL PARTS TO CORRODE...SALT PROTECTED



TRANSPARENCY & ANY COLOR AVAILABLE



AIR COOLING SYSTEM with ICYCELLS® design from QSOLAR



POSITIVE TOLERANCE UP TO +7%



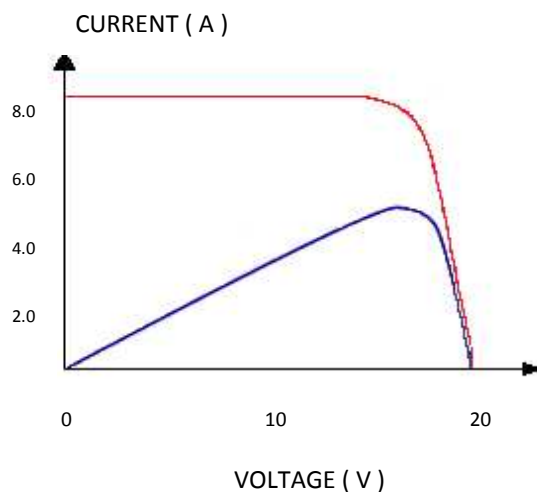
FRAMELESS, DUST CANNOT BE TRAPPED ANYMORE



CAN WORK FROM -40°C to 120°C

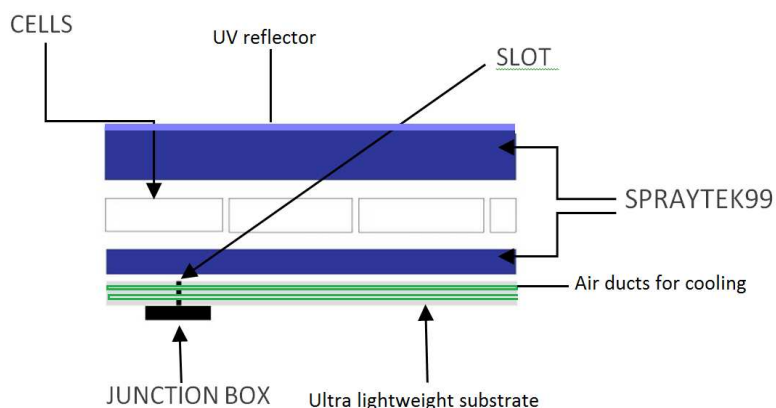
ELECTRICAL SPECIFICATIONS		TEMPERATURE COEFFICIENTS	
Pmp	140 W	Pmp	-0.43% per deg C
Positive tolerance	-0 ~ + 7%	Vmp	-0.43% per deg C
Pmp max	150 W	Imp	-0.019% per deg C
Pmp min	140 W	Voc	-0.32% per deg C
Module Efficiency	14.3 %	Isc	+0.003% per deg C
Maximum power voltage (Vmp)	18.2 V	Maximum system voltage	1000 V
Maximum power current (Imp)	7.79 A	WARRANTY	
Open Circuit Voltage (Voc)	19.8 V	10 years manufacturing	
Short circuit current (Isc)	8.25 A	5 years/95%, 12 years/90%, 18 years/85%, 25 years/80%	

MECHANICAL SPECIFICATIONS	
Dimensions	1500 mm x 680 mm x 9 mm (with 0.5 mm tolerance) 59.06 x 26.77 x 0.35 inches (with 0.02" tolerance)
Weight	12.35 lbs / 5.6 Kgs
Cells	36 Polycrystalline 6" x 6" cells
Frame	NO FRAME
Encapsulant	SPRAYTEK99 [®] ESS [®] PROCESS
Backsheet	Ultra light hollow polymer
Quantity per wooden pallet	36



Specifications may change.

SPRAYTEK99[®] ESS[®] SOLAR MODULE STRUCTURE



CERTIFICATIONS



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