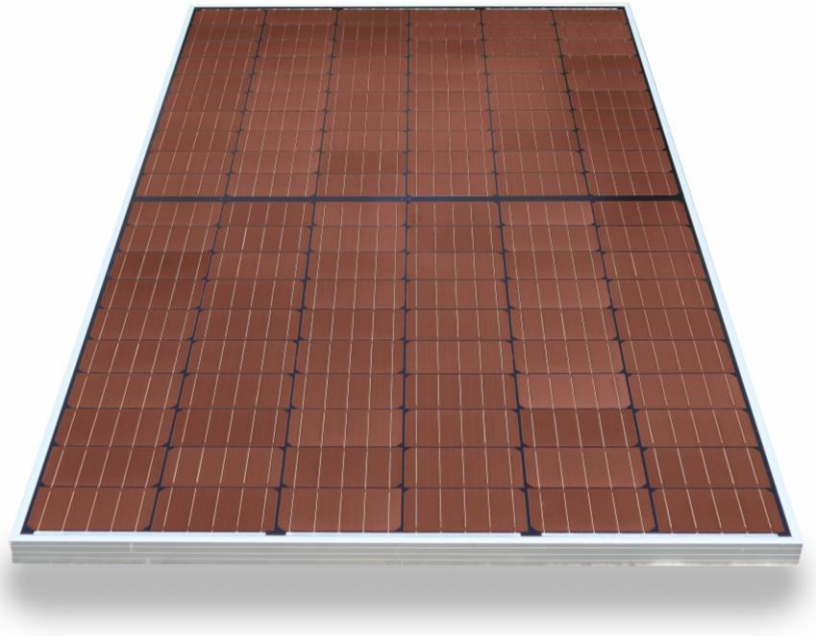
LOF Mono PERC Series

Monocrystalline Color PV Modules / 320-300Wp

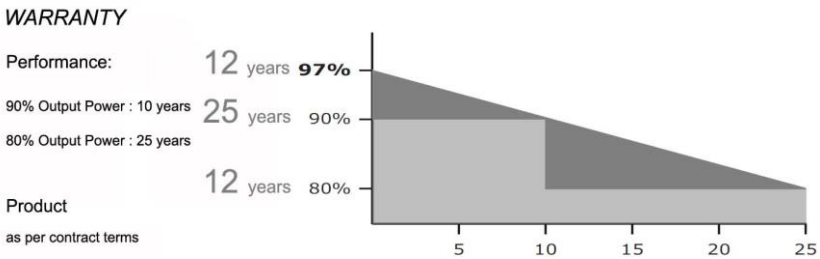


320W LOF TILE RED SOALR PANEL
LOF Solar High-Efficiency Mono Half-Cut Color Solar Panel
wins 2021 Taiwan Excellence Award

Top competitive advantage

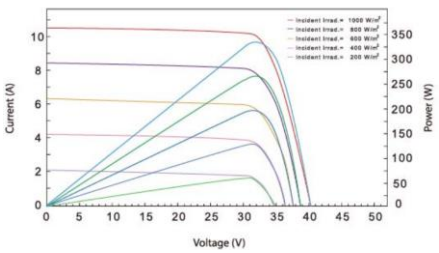
- #1 High-Efficiency Color Solar Panel in the world
- #1 Fast Pay Back Time in Color
- #1 Increase House Value in Appearance and Power

Through Half-Cut Technology, it reduces electrical resistance, hot spot effect and decrease module temperatures, and also reduces the adverse impact of shadowing effect. It substantially improves the efficiency of color solar panel and save your money.

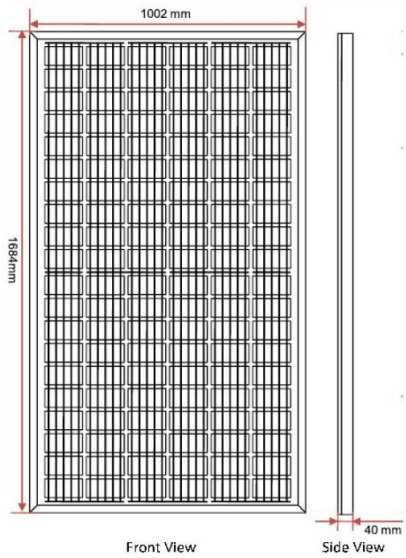


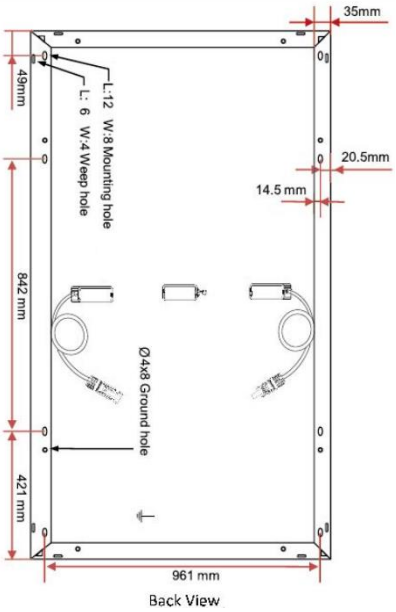
- Anti-hail module
- IP68 J-box for weather protection
- 3.2mm glass with anti-reflective coating
- Max snow load 7200 Pa
- Salt mist and ammonia resistance

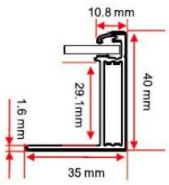
I-V CURVE



DIMENSIONS (mm)







ELECTRICAL DATA (STC)	320P	310P	300P
Max power Pmax (Wp)	320	310	300
Max power voltage Vmp (V)	33.6	33.45	33.3
Max power current Imp (A)	9.54	9.27	9.01
Open circuit voltage Voc (V)	40.29	40.05	39.81
Short circuit current Isc (A)	10.06	9.80	9.54
Module efficiency (%)	-0 +3%	-0 +3%	-0 +3%
Power tolerance (Wp)	320	310	300

MECHANICAL DATA	
Cell Color	Tile Red / Forest Green / True Steel
Cell quantity	120 pieces
Frame Color	color code, black or silver
Backsheet Color	black, white
Dimension [L x W x H]	1684 x 1002 x 40 mm
Cable Length	1.2M, other length optional
Weight	19.5 Kg

PACKING SPECIFICATIONS	
Modules Per Pallet	26 pcs / Pallet
Pallet Per Container	13 pcs / Container
20ft Container Capacity	156 pcs
40ft Container Capacity	338 pcs

Operating Condition	
Maximum System Voltage (U.S, & Canada)	600VDC
Maximum System Voltage(Area Not in the U.S. & Canada)	1000VDC (According to Norms in Each Area)
Series Fuse Rating	20A
Fire Safety Class	Class C
Application Class	Class A (Safety Class II)
environmental Operating Temperature (°F, °C)	-40 to 185°F, -40 to 85°C

THERMAL CHARACTERISTICS	
NOCT (Nominal Operating Cell Temperature) (°F,°C)	43°C +/- 2°C
Temperature Coefficient TK Isc (Short Circuit Current) α	+0.0670% / K
Temperature Coefficient TK Voc (Open Circuit voltage) β	-0.3070% / K
Temperature Coefficient TK Pmax (Peak Power) γ	-0.39% / K

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