

Phono[®] Solar

Smart Module

Mono/365-380W

Tigo[®]
Rapid Shutdown



Safety Guarantee

Meets NEC 2017 690.12 rapid shutdown requirements with Tigo's TS4-F (Fire Safety), TS4-S(Safety), TS4-O(Optimization), and TS4-L (Long Strings). Module-level deactivation with automatic or manual shutdown.



Lower System Cost

Higher conversion efficiency helps to save transportation, installation and BoS cost



More Power Output

Higher conversion efficiency, more power production per unit area



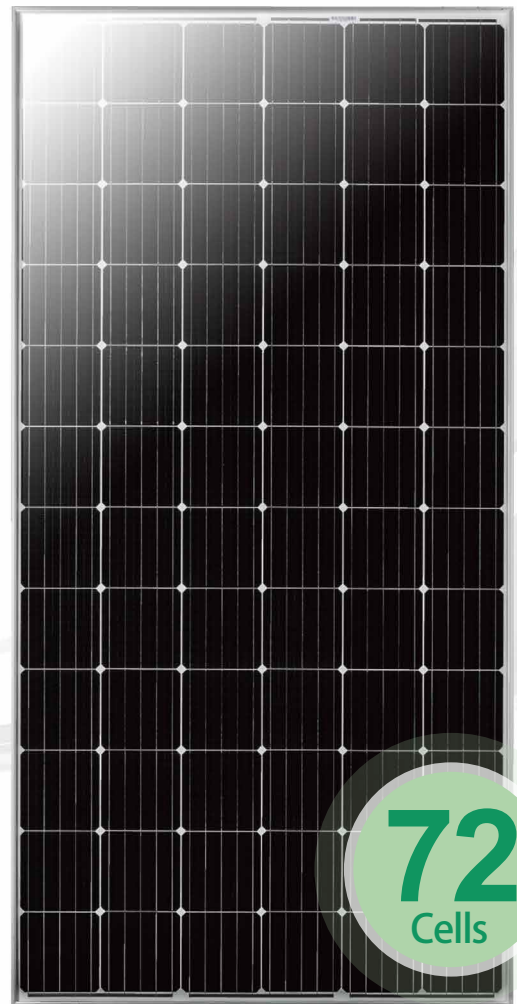
Better Low-light Performance

Enhanced spectral response at longer wave length boosts low-light performance, which can produce more than 3% additional power compared with conventional module at system side

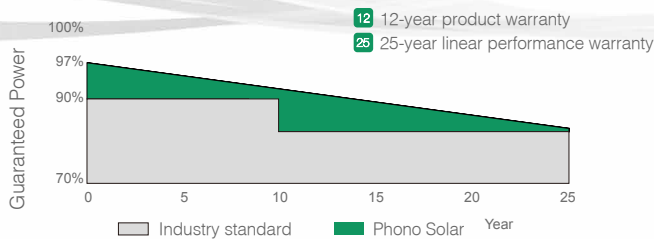
Bloomberg
NEW ENERGY FINANCE

Tier1

2019 TOP PERFORMER
PVEL | **DNV:GL**
PV MODULE RELIABILITY SCORECARD



72
Cells



EN EN-20190715

ELECTRICAL TYPICAL VALUES

Model	PS365M-24/T PS365MH-24/T	PS370M-24/T PS370MH-24/T	PS375M-24/T PS375MH-24/T	PS380M-24/T PS380MH-24/T
Type	Monocrystalline 6 inch x 6 inch square, 6 × 12 pieces in series			
Rated Power (Pmpp)	365W	370W	375W	380W
Tolerance	0~+5w			
Rated Current (Impp)	9.40	9.49	9.57	9.65
Rated Voltage (Vmpp)	38.83	38.99	39.19	39.38
Short Circuit Current (Isc)	9.87	9.92	9.98	10.03
Short Circuit Current (Imax)(TS4-O,-L)	12.00	12.00	12.00	12.00
Open Circuit Voltage (Voc)	48.00	48.12	48.24	48.36
Open Circuit Voltage (Vmax) (TS4-L)	43.91	44.09	44.30	44.51
Module Efficiency (%)	18.81	19.07	19.36	19.58
NOCT (Nominal Operating Cell Temperature)	45±2°C			
Voltage Temperature Coefficient	-0.288%/°C			
Voltage Temperature Coefficient (TS4-L)	0.0%/°C			
Current Temperature Coefficient	+0.047%/°C			
Power Temperature Coefficient	-0.398%/°C			

MECHANICAL CHARACTERISTICS

Length	1956mm (77.01 inch)
Dimension (Lx W x H)	Width: 992mm (39.06 inch)
	Height: 40mm (1.57 inch)
Weight	22.5kg (49.60 lbs)
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC) , Length: 1160mm or Customized length
Junction Box (TS4-D, -M, -F, -S, -O, -L)	IP 68 rated

ABSOLUTE MAXIMUM RATING

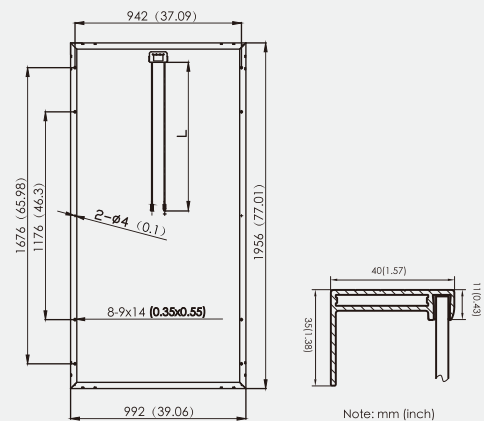
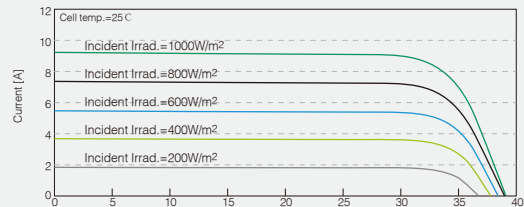
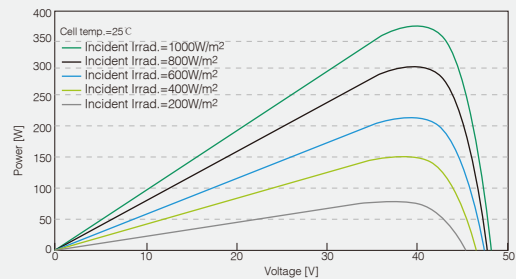
Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	20A
Application Class and Safety Class	II
Fire Rating (IEC61730)	C
Module Fire Performance (UL 1703)	Type1
Maximum System Voltage	DC 1000V/1500V (IEC/ETL)

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	230	672

1. In compliance with our warranty terms and conditions.
2. Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m²
Air mass 1.5 Spectrum, cell temperature of 25°C.

ELECTRICAL CHARACTERISTICS



Phono Solar

Note: This datasheet is not legally binding. Phono Solar Technology Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our [Website:www.phonosolar.com](http://www.phonosolar.com), [E-mail:info@phonosolar.com](mailto:info@phonosolar.com)