

# HI Power Series

120-CELL HALF CUT MONOCRYSTALLINE  
SOLAR MODULE

## 370 Watt

STPXXXS - B60/Wnh



### Features



**High power output**  
Compared to 158.75 mm module, the power output can increase 25 - 30 W



**High PID resistant**  
Advanced cell technology and qualified materials lead to high resistance to PID



**Excellent weak light performance**  
More power output in weak light condition, such as haze, cloudy, and morning



**Lower operating temperature**  
Lower operating temperature and temperature coefficient increases the power output



**Extended load tests**  
Module certified to withstand front side maximum static test load (5400 Pascal) and rear side maximum static test loads (3800 Pascal) \*



**Withstanding harsh environment**  
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

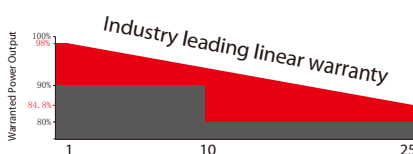
Certifications and standards:  
IEC 61215, IEC 61730, conformity to CE



### Trust Suntech to Deliver Reliable Performance Over Time

- World-class manufacturer of crystalline silicon photovoltaic modules
- Unrivaled manufacturing capacity and world-class technology
- Rigorous quality control meeting the highest international standards: ISO 9001, ISO 14001 and ISO17025
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing testing: IEC 61701, IEC 62716, DIN EN 60068-2-68)\*\*\*
- Long-term reliability tests
- 2 × 100% EL inspection ensuring defect-free modules

### Industry-leading Warranty based on nominal power



- 98% in the first year, thereafter, for years two (2) through twenty-five (25), 0.55% maximum decrease from MODULE's nominal power output per year, ending with the 84.8% in the 25th year after the defined WARRANTY STARTING DATE.\*\*\*\*
- 12-year product warranty
- 25-year linear performance warranty

### Special Cell Design



The unique cell design leads to reduced electrode resistance and smaller current, thus enables higher fill factor. Meanwhile, it can reduce losses of mismatch and cell wear, and increase total reflection.

### IP68 Rated Junction Box



The Suntech IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables. High reliable performance, low resistance connectors ensure maximum output for the highest energy production.

\* Please refer to Suntech Standard Module Installation Manual for details. \*\*WEEE only for EU market.

\*\*\* Please refer to Suntech Product Near-coast Installation Manual for details. \*\*\*\* Please refer to Suntech Product Warranty for details.

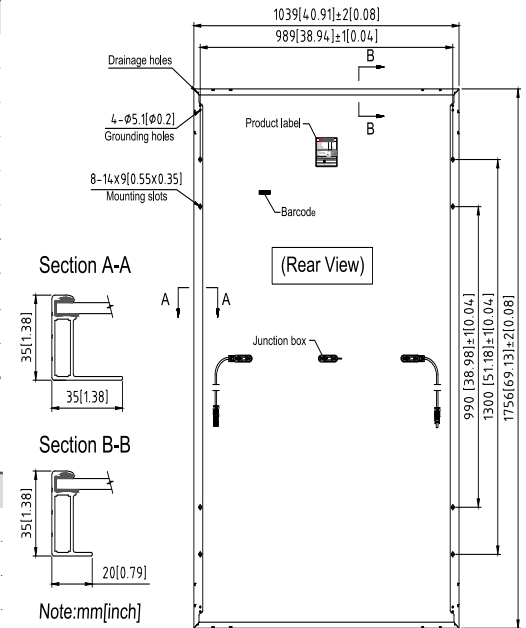
### Electrical Characteristics

STC	STPXXXS-B60/Wnh				
Maximum Power at STC (Pmax)	370 W	365 W	360 W	355 W	350 W
Optimum Operating Voltage (Vmp)	34.3 V	34.1 V	33.9 V	33.7 V	33.5 V
Optimum Operating Current (Imp)	10.79 A	10.71 A	10.62 A	10.54 A	10.46 A
Open Circuit Voltage (Voc)	40.9 V	40.7 V	40.5 V	40.3 V	40.1 V
Short Circuit Current (Isc)	11.49 A	11.42 A	11.35 A	11.28 A	11.21 A
Module Efficiency	20.3%	20.0%	19.7%	19.5%	19.2%
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	20 A				
Power Tolerance	0/+5 W				

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5;  
Tolerance of Pmax is within +/- 3%.

NMOT	STPXXXS-B60/Wnh				
Maximum Power at NMOT (Pmax)	278.2 W	274.3 W	270.7 W	266.8 W	263.3 W
Optimum Operating Voltage (Vmp)	32.0 V	31.8 V	31.6 V	31.5 V	31.3 V
Optimum Operating Current (Imp)	8.69 A	8.62 A	8.56 A	8.48 A	8.42 A
Open Circuit Voltage (Voc)	38.7 V	38.5 V	38.4 V	38.2 V	38.0 V
Short Circuit Current (Isc)	9.17 A	9.10 A	9.04 A	8.96 A	8.89 A

NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.



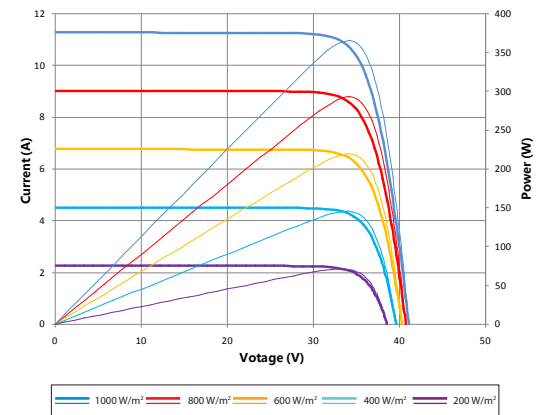
### Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.304%/°C
Temperature Coefficient of Isc	0.050%/°C

### Mechanical Characteristics

Solar Cell	Monocrystalline silicon 166 mm
No. of Cells	120 (6 × 20)
Dimensions	1756 × 1039 × 35 mm (69.1 × 40.9 × 1.4 inches)
Weight	20.3 kgs (44.8 lbs.)
Front Glass	3.2 mm (0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , Portrait: (-)350 mm and (+)160 mm in length Landscape: (-)1200 mm and (+)1200 mm in length or customized length
Connectors	MC4 EVO2, Cable 01S

### Current-Voltage & Power-Voltage Curve (370S)



### Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	31	31
Pallets per container	6	26
Pieces per container	186	806
Packaging box dimensions	1786 × 1130 × 1203 mm	
Packaging box weight	679 kg	

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

### Dealer information

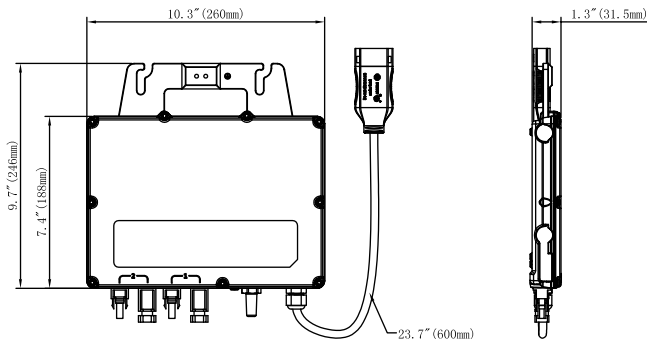


## YC600-NA

### Microinversor

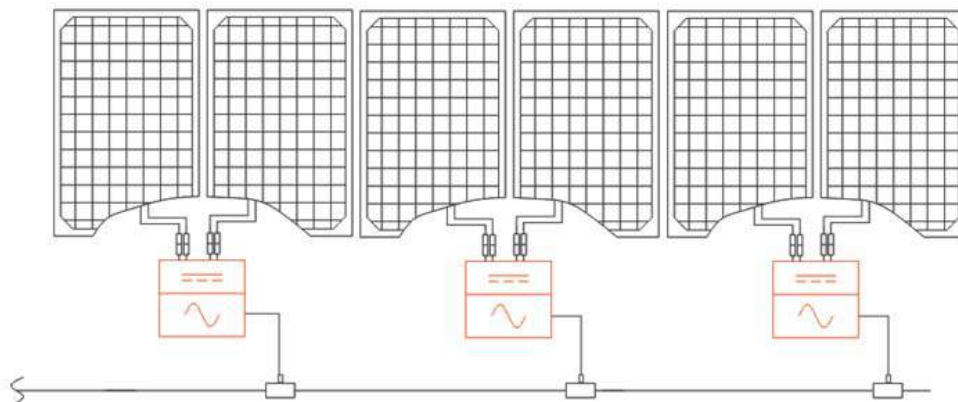
- Microinversor de doble módulo con MPPT independiente por panel
- Utilidad interactiva con Reactive Power Control (RPC)
- Cumple con la norma CA 21 (UL 1741 SA)
- Acomoda módulos fotovoltaicos de 60 y 72 celdas hasta 440W +

### DIMENSIONES



El YC600 es un microinversor de doble módulo, interactivo con la utilidad, con tecnología de control de potencia reactiva (RPC) y funcionalidad de soporte de red de la norma 21. El primero de su clase, el YC600 fue diseñado para acomodar los paneles fotovoltaicos de alta producción de hoy en día, ofrecer una capacidad mejorada y cumplir con los últimos estándares de cumplimiento de la red. Con una potencia de salida máxima sin precedentes de 300 W por canal, el YC600 funciona con módulos fotovoltaicos de 60 y 72 celdas y ofrece un MPPT dual e independiente por panel. El YC600 también opera dentro de un rango de voltaje MPPT más amplio que las marcas competidoras para una mayor cosecha de energía.

### Esquema de cableado



# Ficha técnica YC600 microinversor

## Región

LATAM

### Datos de entrada (CC)

Potencia recomendada de módulo FV	250Wp-440Wp+
Rango de voltaje MPPT	22V-48V
Rango de voltaje de operación	16V-55V
Voltaje de entrada máximo	60V
Corriente de entrada máxima	12A x 2
Corriente de cortocircuito de entrada	13.2A

### Datos de salida (CA)

Potencia máxima pico	600VA
Voltaje de salida nominal	240V/211V-264V
Rango de voltaje de salida ajustable	160V-278V
Corriente de salida nominal	2.28A
Unidades máximas por sucursal	6units per 20A AC breaker/ 8units per 25A AC breaker
Frecuencia de salida nominal	60Hz/59.3Hz-60.5Hz
Rango de frecuencia de salida ajustable	55.1Hz-64.9Hz
Factor de potencia (Ajustable)	0.8 Leading...0.8 Lagging
Distorsión armónica total	<3%
Protección máxima de sobrecorriente de salida	6.3A

### Eficiencia

Eficiencia máxima	96.7%
Eficiencia de CEC	96.5%
Nominal MPPT eficiencia	99.5%
Consumo de energía nocturno	20mW

### Datos mecánicos

Rango de temperatura ambiental	-40 °F to +149 °F (-40 °C to +65 °C )
Rango de temperatura de almacenamiento	-40 °F to +185 °F (-40 °C to +85 °C )
Dimensiones (A x L x P)	10.3" x 7.4" x 1.3" (260mm X 188mm X 31.5mm)
Peso	5.7lbs (2.6kg)
Corriente máxima del bus de CA	25A (12AWG)
Tipo de conector	MC4 Type
Enfriamiento	Convección natural - Sin ventiladores
Clasificación ambiental del recinto	TYEP 6

### Características

Comunicación (Inversor para ECU)	Wireless
Diseño de transformador	High Frequency Transformers, Galvanically Isolated
Monitoreo	Via EMA* Online Portal

### Certificado de cumplimiento

Certificados	UL1741; CA Rule 21 (UL 1741 SA); FCC Part15; ANSI C63.4; ICES-003; IEEE1547
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\* APsystems en línea Energy Management Analysis (EMA) plataforma

Especificaciones sujetas a cambios sin previo aviso - asegúrese de que está utilizando La actualización más reciente se encuentra en [latam.APsistemas.com](http://latam.APsistemas.com)

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