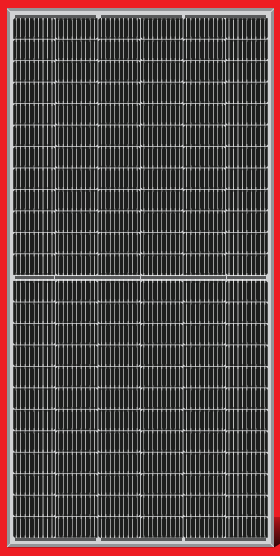
AMBIENTE SOLAR
energía renovable

EXPERIENCIA FICHA TECNICA

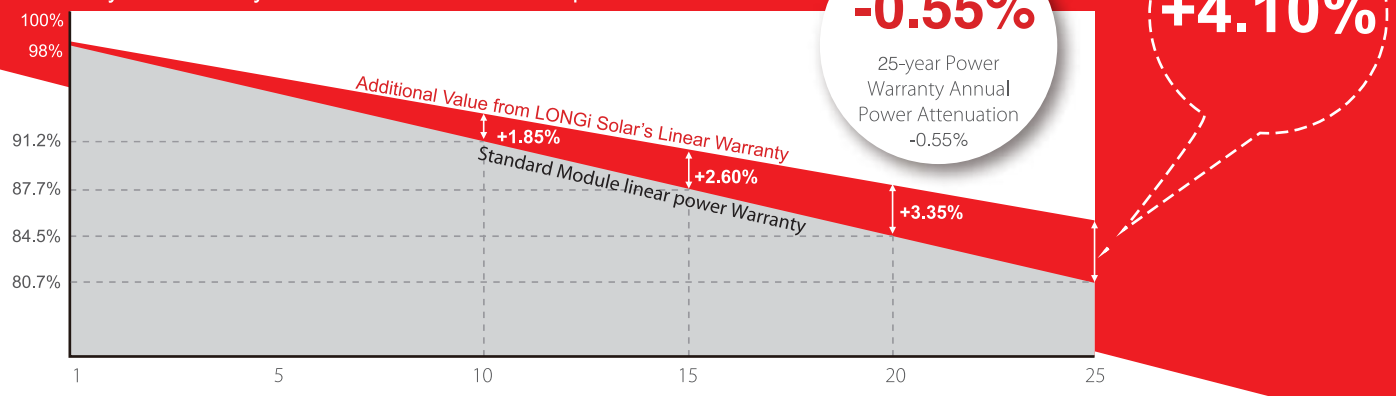
LR5-72HPH
525~545M

Hi-MO 5m



High Efficiency Low LID Mono PERC with Half-cut Technology

12-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power Output



Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2008: ISO Quality Management System

ISO 14001: 2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

OHSAS 18001: 2007 Occupational Health and Safety

* Specifications subject to technical changes and tests.
LONGi Solar reserves the right of interpretation.

Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 21.3%)

Slower power degradation enabled by Low LID Mono PERC technology: first year <2%, 0.55% year 2-25

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

Reduced resistive loss with lower operating current

Higher energy yield with lower operating temperature

Reduced hot spot risk with optimized electrical design and lower operating current

LONGi

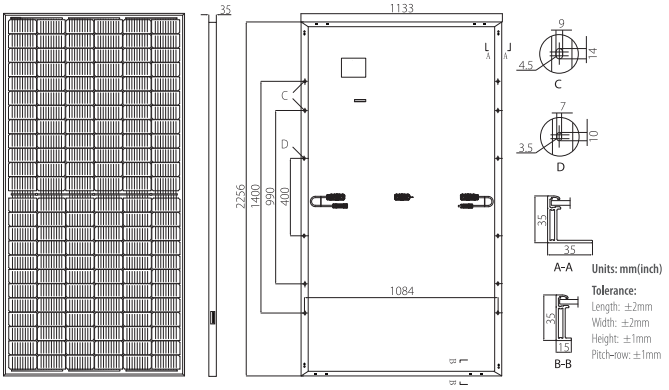
Room 801, Tower 3, Lujiazui Financial Plaza, No.826 Century Avenue, Pudong Shanghai, 200120, China
Tel: +86-21-80162606 E-mail: module@longi-silicon.com Facebook: www.facebook.com/LONGi Solar

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

20200708-Draft V03

LR5-72HPH 525~545M

Design (mm)



Mechanical Parameters

Cell Orientation: 144 (6×24)

Junction Box: IP68, three diodes

Output Cable: 4mm², 300mm in length, length can be customized

Glass: Single glass 3.2mm coated tempered glass

Frame: Anodized aluminum alloy frame

Weight: 27.2kg

Dimension: 2256×1133×35mm

Packaging: 31pcs per pallet
155pcs per 20'GP
620pcs per 40'HC

Operating Parameters

Operational Temperature: -40℃~+85℃

Power Output Tolerance: 0~+5 W

Voc and Isc Tolerance: ±3%

Maximum System Voltage: DC1500V (IEC/UL)

Maximum Series Fuse Rating: 25A

Nominal Operating Cell Temperature: 45±2℃

Safety Protection Class: Class II

Fire Rating: UL type 1 or 2

Electrical Characteristics

Test uncertainty for Pmax: ±3%

Model Number	LR5-72HPH-525M		LR5-72HPH-530M		LR5-72HPH-535M		LR5-72HPH-540M		LR5-72HPH-545M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	525	392.1	530	395.8	535	399.5	540	403.3	545	407.0
Open Circuit Voltage (Voc/V)	49.05	45.98	49.20	46.12	49.35	46.26	49.50	46.41	49.65	46.55
Short Circuit Current (Isc/A)	13.65	11.04	13.71	11.09	13.78	11.15	13.85	11.20	13.92	11.25
Voltage at Maximum Power (Vmp/V)	41.20	38.36	41.35	38.50	41.50	38.64	41.65	38.78	41.80	38.92
Current at Maximum Power (Imp/A)	12.75	10.23	12.82	10.28	12.90	10.34	12.97	10.40	13.04	10.46
Module Efficiency(%)	20.5		20.7		20.9		21.1		21.3	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25℃, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20℃, Spectra at AM1.5, Wind at 1m/S

Temperature Ratings (STC)

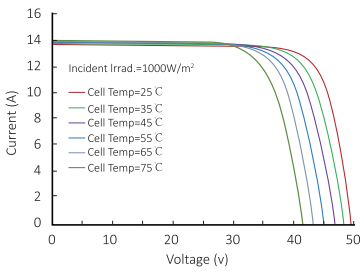
Temperature Coefficient of Isc	+0.048%/℃
Temperature Coefficient of Voc	-0.270%/℃
Temperature Coefficient of Pmax	-0.350%/℃

Mechanical Loading

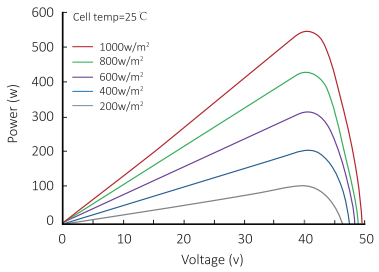
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

I-V Curve

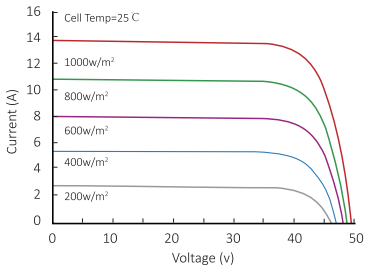
Current-Voltage Curve (LR5-72HPH-530M)



Power-Voltage Curve (LR5-72HPH-530M)



Current-Voltage Curve (LR5-72HPH-530M)



LONGi

Room 801, Tower 3, Lujiazui Financial Plaza, No.826 Century Avenue, Pudong Shanghai, 200120, China
Tel: +86-21-80162606 E-mail: module@longi-silicon.com Facebook: www.facebook.com/LONGi Solar

Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LONGi have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting and binding part of lawful documentation duly signed by both parties.

20200708-Draft V03

/ Perfect Welding / Solar Energy / Perfect Charging

SHIFTING THE LIMITS

FRONIUS PV-SYSTEM CONTROLLER AND ACCESSORIES

/ Save fuel with Fronius PV-Genset solutions



/ Integrating PV-plants into genset driven grids requires fast and reliable control of the entire system. The Fronius PV-System Controller measures all power flows in the system and controls the PV-power in an optimal way. The PV-System Controller can also be used to balance the self-consumption and limit the exchange with the main grid to a defined value.

TECHNICAL DATA FRONIUS PV-SYSTEM CONTROLLER

AC POWER SUPPLY	
AC voltage	230 V_{AC} (80 % - 115 %)
Frequency	45 - 65 Hz
Consumption	6 VA

DC POWER SUPPLY	
Rated voltage DC	12 V
Consumption	6 W

ACCURACY CLASS	
Power measurement accuracy	0.5 %
Accuracy energy measurement	1.0 %

VOLTAGE MEASUREMENT	
Measuring range	10 - 300 V
Frequency	45 - 65 Hz

CURRENT MEASUREMENT	
Nominal current	Secondary 250 mA
Maximum current	Secondary 300 mA

INTERFACES	
User interface	Ethernet
Communications with the inverter	RS232 / RS485 / RS422
Communications with other equipment	RS485
Display	2 lines of 20 characters
Light indicators	6 LEDs
Keyboard	4 silicone keys
Control outputs	4 potential free relays, 6 A

GENERAL DATA	
Dimensions (height x width x depth)	90 x 105 x 70 mm 6 modules DIN Rail
Weight	250 g
Working temperature	-25 - +70 °C
Storage temperature	-40 - +85 °C
Humidity	Max. 95 % without condensation
Certificates and compliance with standards	Electrical safety for measurement and control devices IEC 61010-1:2010, electromagnetic compatibility IEC 61000-6-2:2005, IEC 61000-6-4:2011

ACCESSORIES

FRONIUS GENSET MEASUREMENT EXTENSION

/ To implement additional safety with rapid shut down in case of genset back-feed or in systems with multiple gensets the Fronius Genset Measurement Extension is to be used.



POWER SUPPLY CIRCUIT	
AC voltage	230 V_{AC} (-15 % - +10%)
Consumption	3 VA
Frequency	45 - 65 Hz

CLASS / ACCURACY	
Power rating	1 % ± 1 digit

METERING CIRCUIT	
Nominal voltage	300 V_{AC} (ph-n) / 520 V_{AC} (ph-ph)
Frequency	45 - 65 Hz
Transformer	250 mA

GENERAL DATA	
Dimensions (height x width x depth)	85.0 x 52.5 x 67.9 mm (3 modules)
Weight	210 g
Degree of protection	Embedded equipment: IP 41 Terminals: IP 20
Operating temperature	-10 - +50 °C
Relative humidity (non-condensing)	5 – 95 %
Max. altitude	2,000 m

FRONIUS CURRENT SENSORS

/ The right choice of current transducers for maximum accuracy suitable for the Fronius PV-Genset solution.



TECHNICAL DATA	3-PH (40 - 170 KVA 3-PH)	1-PH (150 – 1,000 KVA 3-PH)	1-PH (500 – 1,400 KVA 3-PH)
Nominal current	250 A	500 / 1,000 / 1,500 A	1,000 / 1,500 / 2,000 A
Class 0.5 burden	< 0.25 VA		
Internal diameter	26 mm	55 mm	80 mm
Secondary current	Secondary 250 mA		

/ Perfect Welding / Solar Energy / Perfect Charging

WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,700 employees worldwide, we shift the limits of what's possible - our record of over 800 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at **www.fronius.com**

v06 Apr 2016 EN

Fronius India Private Limited
GAT no 312, Nanekarwadi
Chakan, Taluka - Khed District
Pune 410501
India
pv-sales-india@fronius.com
www.fronius.in

Fronius Australia Pty Ltd.
90-92 Lambeck Drive
Tullamarine VIC 3043
Australia
pv-sales-australia@fronius.com
www.fronius.com.au

Fronius UK Limited
Maidstone Road, Kingston
Milton Keynes, MK10 0BD
United Kingdom
pv-sales-uk@fronius.com
www.fronius.co.uk

Fronius International GmbH
Froniusplatz 1
4600 Wels
Austria
pv-sales@fronius.com
www.fronius.com

EN v03 Aug 2016 as17 Text and images correspond to the current state of technology at the time of printing. Subject to modifications.
All information is without guarantee in spite of careful editing - liability excluded. Copyright © 2011 Fronius™. All rights reserved.

LEADSUN®

"Bright Ideas For An Even Brighter Future."



Solar Panel

LiFePO4 Li-ion Battery

Efficient Controller

Motion Sensor

High Efficient LED

IP66

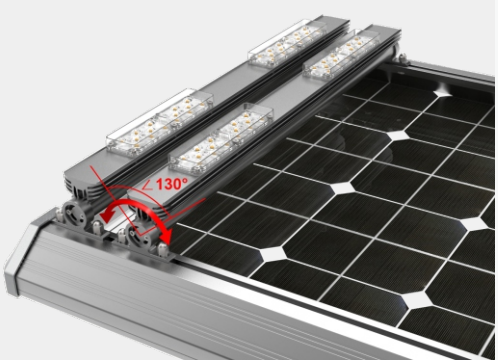
Anti-Typhoon

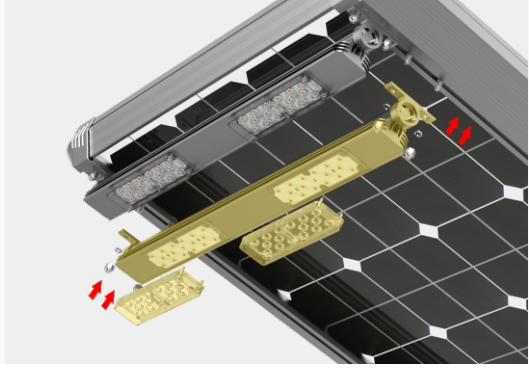
CE | CB | IP66 | IK08

K5 Series All In One Solar Street Light

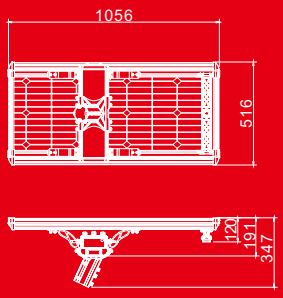
K5 series solar street light is a brand-new product based on the design concept of super technology. Using double-sided power generation solar panel combined with tempered glass and transparent TPT technology, integrated battery & controller, and high efficiency LED, which has higher power generation efficiency compared with the traditional ordinary ones. With the unique design style, K5 series is easy to install, maintain and transport, providing users with the perfect off-grid lighting solutions.



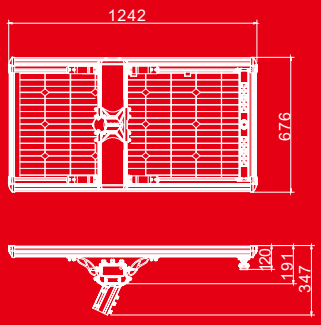




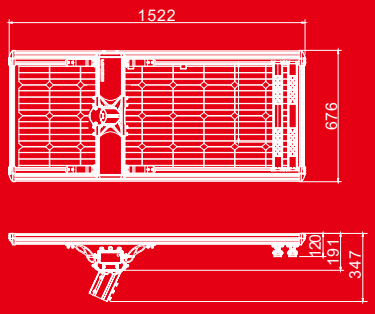
Physical Dimensions (mm)



K59030N/ K59040P



K513050R



K518060S/ K518080U

K5 Series solar street light

Model No.		K59030N	K59040P	K513050R	K518060S	K518080U
Physical Parameters						
Power of PV Module (W)		90	90	130	180	180
Liuthium Battery Capacity (WH)		308Wh	460Wh	615Wh	768Wh	922Wh
Optional Liuthium Battery Capacity (WH)		308~615	308~615	615~768	768~922	768~922
PIR Sensor		●	●	●	/	/
Net Weight of Product (Kg)		18	18	22.4	25	25
Dimension of Product (mm)		1056×516×191	1056×516×191	1242×676×191	1522×676×191	1522×676×191
Demension of Carton (mm)*2Set		1146x315x610	1146x315x610	1332x315x770	1612×315×770	1612×315×770
Gross Weight of Product (Kg)		40	40	50	58	58
Light Parameters						
Light output (w)		30	40	50	60	80
Optical Distribution		Bat Wing				
Visual Angle		140°×70°				
Color Temperaure (K)		5000				
Typical Luminous Flux (lm)		5000	6400	8000	10000	12800
Min. Working Time (Hours)	Bright Mode	9	10	11	11	10
	DIM Mode (30%)	30	34	36	38	34
Light Photosensitivity (lx)			30		30	30
Environment Requirement						
Charge Temperature		0℃~60℃				
Discharge Temperature		−20℃~60℃				
Storage Temperature		−20℃~45℃				
Mounting Recommendation						
EPA(effective projected area) (ft2)		2.97	2.97	4.68	5.74	5.74
APA (acutal projected area) (ft2)		2.48	2.48	3.9	4.78	4.78
Wind Load Rate (mph)		130	130	130	130	130
Top of Pole or Tenon OD (mm)		60~70	60~70	60~70	85~90	85~90
Recommended Installation Height (M)		6~8	6~8	7~8	7~8	8~12
Recommended Installation Distance (M)		25~35	25~40	30~40	30~40	30~45

LEADSUN®

"Bright Ideas For An Even Brighter Future."

RENEWABLE ENERGIES

KIT FOR THE STUDY OF PHOTOVOLTAIC SOLAR ENERGY



The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

The kit is a complete configuration for photovoltaic energy study in an off grid system. Its covers the fundamentals of solar cell and its operation in a storage system mode.

DL 3155BRS-PSE

LEARNING EXPERIENCES

- Electrical characteristics of a single solar cell
- Electrical characteristics of two solar cells connected in series
- Electrical characteristics of two solar cells connected in parallel
- Electrical characteristics of a solar panel
- Monitoring of the charge level and analysis of the discharging process in a gel battery
- Charging a battery by using a current regulator
- Charging a battery by using a charge regulator
- Analysis and comparison of two light sources
- Smart energy management system
- Study of energetic efficiency by means of a breadboard

CIRCUIT BLOCKS

- Base board
- Solar cell mini board x2
- Battery charge regulator mini board
- Double voltmeter mini board
- Voltage regulators mini board
- Battery level monitor mini board
- Light Tester mini board Kit
- Current driver and relay mini board
- Bread Board mini board
- Battery module (12V)
- Solar panel module 5W
- Fan module (load)

Complete with manual (theoretical and practical) and cable kit.

Dimensions of the board: 297x260mm

ACCESSORY INCLUDED:
DL 2555ALG - DC POWER SUPPLY



- ± 5 Vdc, 1 A
- ±15 Vdc, 1 A

/ Perfect Welding / Solar Energy / Perfect Charging

Fronius

SHIFTING THE LIMITS



FRONIUS SYMO

EL FUTURO DE LA INDUSTRIA SOLAR ESTÁ AQUÍ

/ PC Board
Proceso de reemplazo

/ SnapINverter
Sistema de instalación

/ Integrated Data
Comunicación

/ Superflex
Diseño

/ Smart Grid & NEC
Certificación 2014

/ Dynamic Peak
Mánager

/ AFCI
Integrado

Con rangos de potencia desde 10 kW a 24 kW, el inversor sin transformador Fronius Symo es el inversor sin transformador trifásico compacto ideal para todas las aplicaciones comerciales. El sistema de amplio rango de voltaje de entrada en CD asegura máxima flexibilidad en el diseño de cualquier sistema FV. Con su baja carga en techo, NEMA 4X y clasificación de 1000 VCD, el Fronius Symo puede ser instalado de muchas formas diferentes, incluso sobre un techo plano o estructuras metálicas. El moderno diseño está basado en el sistema de instalación SnapINverter, permitiendo instalaciones y reparaciones sencillas y seguras. Algunas funciones líderes en la industria están disponibles en el Fronius Symo, como interfaces Wi-Fi®* y SunSpec Modbus para monitoreo y datalogging, interrupción de falla de arco en el circuito (AFCI) provada en campo, certificación NEC 2014 y la plataforma en línea para monitoreo móvil Solar.web. Fronius Symo: alimentando proyectos comerciales que duran.

DATOS TÉCNICOS FRONIUS SYMO (TODOS LOS MODELOS)

DATOS GENERALES	ESTÁNDAR PARA TODOS LOS MODELOS SYMO
Dimensiones (ancho x alto x profundidad)	51 x 72.4 x 22.60 centímetros
Grado de protección	NEMA 4X
Consumo durante la noche	< 1 W
Tipología de inversor	Sin transformador
Enfriamiento	Velocidad de ventilador variable
Instalación	Interior y exterior
Rango de operación a temperatura ambiente	-40°F - + 140 °F (-40 - +60 °C)
Humedad permitida	0 - 100 % (sin condensación)
Terminales de conexión CD	6x CD+ y 6x CD- terminales de tornillo para cobre (sólido / trenzado / trenzado fino) o aluminio (sólido / trenzado)
Terminales de conexión CA	Términales de tornillo 14-6 AWG
Certificaciones y cumplimiento de estándares (Excepto Symo 15.0 208)	UL 1741-2010, UL1998 (para funciones: AFCI y monitoreo de aislamiento), IEEE 1547-2003, IEEE 1547.1-2008, ANSI/IEEE C62.41, FCC Parte 15 A y B, NEC Artículo 690, C22. 2 No. 107.1-01 (septiembre 2001), UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 -2013
Certificaciones y cumplimiento de estándares **FRONIUS SYMO 15.0 208**	UL 1741-2015, UL1998 (para funciones: AFCI, RCMU y monitoreo de aislamiento), IEEE 1547-2003, IEEE 1547.1-2003, ANSI/IEEE C62.41, FCC Parte 15 A y B, NEC Artículo 690, C22. 2 No. 107.1-01 (septiembre 2001), UL1699B Issue 2 -2013, CSA TIL M-07 Issue 1 -2013

DISPOSITIVOS DE PROTECCIÓN ESTÁNDAR PARA TODOS LOS MODELOS SYMO
AFCI y NEC 2014
Desconexión de CD
Protección contra polaridad inversa de CD
Protección contra fallas de tierra con monitor iterruptor de aislamiento

INTERFACES	ESTÁNDAR PARA TODOS LOS MODELOS SYMO
USB (Socket)	Actualización de software y datalogging vía USB
2x RS422 (RJ45 socket)	Protocolo Fronius Solar Net
DISPONIBLE SÓLO CON LA TARJETA FRONIUS DATAMANAGER 2.0 (UNA TARJETA POR CADA 100 INVERSORES)	
Wi-Fi*/Ether-net/Serial	Estándar inalámbrico 802.11 b/g/n / Fronius Solar.web, SunSpec Modbus TCP, JSON / SunSpec Modbus RTU
6 entradas y 4 E/S digitales	Administración de carga, señales, E/S multipropósito

* El término Wi-Fi es una marca registrada de la Alianza Wi-Fi

MODELOS	10.0-3 208/240	12.0-3 208/240	10.0-3 480	12.5-3 480	15.0-3 208	15.0-3 480	17.5-3 480	20.0-3 480	22.7-3 480	24.0-3 480
Peso (kg)	41.32	41.32	34.8	34.8	35.51	43.4				

DATOS TÉCNICOS FRONIUS SYMO (10.0-3 208/240, 12.0-3 208/240, 10.0-3 480, 12.5-3 480, 15.0-3 208)

DATOS DE ENTRADA		SYMO 10.0-3 208/240	SYMO 12.0-3 208/240	SYMO 10.0-3 480	SYMO 12.5-3 480	SYMO 15.0-3 208
Potencia FV recomendada (kWp)		8.0 - 13.0	9.5 - 15.5	8.0 - 13.0	10.0 - 16.0	12.0 - 19.5
Corriente máxima de entrada utilizable (MPPT 1 / MPPT 2)		25.0 A / 16.5 A				50.0 A
Corriente máxima de entrada utilizable total (MPPT 1 + MPPT 2)		41.5 A				50.0 A
Arreglo máximo de corriente de corto circuito (1.25 Imax) (MPPT 1 / MPPT 2)		37.5 A / 24.8 A				75.0 A
Soportes para fusibles en red integrados		NA				6- y 6+
Rango de voltaje MPP		300 - 500 V		300 - 800 V	350 - 800 V	325 - 850 V
Rango de voltaje operacional		200 - 600 V		200 - 1000 V		325 – 1000 V
Voltaje de entrada máximo		600 V		1000 V		
Voltaje nominal de entrada	208 V	350 V		NA		325 V
	240 V	370 V		NA		NA
	480 V	NA		675 V	685 V	NA
Tamaño admisible de conductor de CD		AWG 14 - AWG 6 cobre directo, AWG 6 aluminio directo, AWG 4 - AWG 2 cobre o aluminio con combinador de entradas				
Número de MPPT		2				1

DATOS DE SALIDA		SYMO 10.0-3 208/240	SYMO 12.0-3 208/240	SYMO 10.0-3 480	SYMO 12.5-3 480	SYMO 15.0-3 208
Potencia máxima de salida	208 V	9995 VA	11995 VA	NA		15000 VA
	240 V	9995 VA	11995 VA	NA		
	480 V	NA		9995 VA	12495 VA	NA
Corriente continua de salida continua	208 V	27.7 A	33.3 A	NA		41.6 A
	240 V	24.0 A	28.9 A	NA		
	480 V	NA		12.0 A	15.0 A	NA
Capacidad de interruptor de CA	208 V	35 A	45 A	NA		60 A
	240 V	30 A	40 A	NA		
	480 V	NA		15 A	20 A	NA
Eficiencia máxima		97.0 %		98.1 %		97.3%
Eficiencia CEC	208 V	96.5 %		NA		96.5 %
	240 V	96.5 %		NA		
	480 V	NA		96.5 %	97.0 %	NA
Tamaño admisible de conductor de CA		AWG 14 - AWG 6				AWG 6 directo, AWG 2 con combinador de entradas
Conexión a red ($U_{ac,r}$)		208 / 240 V		480 V Delta +N**		208 V
Frecuencia (f_r)		60 Hz				
Distorsión armónica total		< 1.75 %				< 3.5%
Factor de potencia (cos $\varphi_{ac,r}$) predeterminado		1 (ajustable en menú oculto 0.85 - 1 ind./cap.)				

**+N para términos de detección - conductor que no lleva corriente

DATOS TÉCNICOS FRONIUS SYMO (15.0-3 480, 17.5-3 480, 20.0-3 480, 22.7-3 480, 24.0-3 480)

DATOS DE ENTRADA		SYMO 15.0-3 480	SYMO 17.5-3 480	SYMO 20.0-3 480	SYMO 22.7-3 480	SYMO 24.0-3 480
Potencia FV recomendada (kWp)		12.0 – 19.5	14.0 - 23.0	16.0 - 26.0	18.0 - 29.5	19.0 - 31.0
Corriente máxima de entrada utilizable (MPPT 1 / MPPT 2)		33.0 A / 25.0 A				
Corriente máxima de entrada utilizable total (MPPT 1 + MPPT 2)		51 A				
Arreglo máximo de corriente de corto circuito (1.25 Imax) (MPPT 1 / MPPT 2)		49.5 A / 37.5 A				
Soportes para fusibles en red integrados		6- y 6+				
Rango de voltaje MPP		350 - 800 V	400 - 800 V	450 - 800 V	500 - 800 V	
Rango de voltaje operacional		200 - 1000 V				
Voltaje de entrada máximo		1000 V				
Voltaje nominal de entrada	208 V	NA				
	240 V	NA				
	480 V	685 V	695 V	710 V	720 V	
Tamaño admisible de conductor de CD		AWG 14 - AWG 6 cobre directo, AWG 6 aluminio directo, AWG 4 - AWG 2 cobre o aluminio con combinador de entradas				
Número de MPPT		2				

DATOS DE SALIDA		SYMO 15.0-3 480	SYMO 17.5-3 480	SYMO 20.0-3 480	SYMO 22.7-3 480	SYMO 24.0-3 480
Potencia máxima de salida	208 V	NA				
	240 V	NA				
	480 V	14995 VA	17495 VA	19995 VA	22727 VA	23995 VA
Corriente continua de salida continua	208 V	NA				
	240 V	NA				
	480 V	18.0 A	21.0 A	24.0 A	27.3 A	28.9 A
Capacidad de interruptor de CA	208 V	NA				
	240 V	NA				
	480 V	25 A	30 A		35 A	40 A
Eficiencia máxima		98%				
Eficiencia CEC	208 V	NA				
	240 V	NA				
	480 V	97.0 %	97.5 %			
Tamaño admisible de conductor de CA		AWG 14 - AWG 6				
Conexión a red ($U_{ac,r}$)		480 V Delta +N**				
Frecuencia (f_r)		60 Hz				
Distorsión armónica total		< 1.75 %				
Factor de potencia (cos $\varphi_{ac,r}$) predeterminado		1 (ajustable en menú oculto 0.85 - 1 ind./cap.)				

**+N para términos de detección - conductor que no lleva corriente

/ Perfect Welding / Solar Energy / Perfect Charging

SOMOS TRES DIVISIONES CON UNA MISMA PASIÓN: SUPERAR LÍMITES.

/ No importa si se trata de tecnología de soldadura, energía fotovoltaica o tecnología de carga de baterías, nuestra exigencia está claramente definida: ser líder en innovación. Con nuestros más de 3,000 empleados en todo el mundo superamos los límites y nuestras más de 1,000 patentes concebidas son la mejor prueba. Otros se desarrollan paso a paso. Nosotros siempre damos saltos de gigante. Siempre ha sido así. El uso responsable de nuestros recursos constituye la base de nuestra actitud empresarial.

Para obtener información más detallada sobre todos los productos de Fronius y nuestros distribuidores y representantes en todo el mundo, visite **www.fronius.com**

Fronius México S.A. de C.V.
Fronius Monterrey
Carretera Monterrey Saltillo 3279E
66367 Santa Catarina, N.L.
México
Teléfono +52 81 8882 8200
ventas.mexico@fronius.com
www.fronius.mx

Fronius Puebla
Calle 4 Pte. 2904, Col. Amor
72140 Puebla, Puebla
México
Teléfono +52 222 268 7664
ventas.mexico@fronius.com

Fronius International GmbH
Froniusplatz 1
4600 Wels
Austria
Teléfono +43 7242 241-0
Fax +43 7242 241-3940
sales@fronius.com
www.fronius.com

Texto e imágenes según el estado técnico en el momento de la impresión. Sujeto a modificaciones.
No podemos garantizar la exactitud de todos los datos a pesar de su cuidadosa edición, declinamos por ello cualquier responsabilidad. Copyright © 2015 Fronius™. Todos los derechos reservados.