



# FICHA TECNICA

## KIT HIBRIDO 5.0 KWP



### Este kit incluye

- 12 paneles Monocristalinos Canadian Solar de 445w (5.340 watts en paneles)
- 1 inversor HIBRIDO MARCA SOLIS de 4,6 kW.
- 2 Baterías de LITIO marca Pylontech de 3,0 kW.
- Estructura a techo de aluminio y pernos de acero inoxidable.
- Canalización con Tuberías metálicas IP66
- Tablero eléctrico especial para intemperie IP66
- Protecciones inmunizadas tipo A según norma eléctrica
- Instalación gratis para la Región de Valparaíso, Región Metropolitana, Región de O'Higgins y Región del Maule. para otras regiones se incorpora un adicional.

## **GARANTÍA\***

**1 AÑO EN LA INSTALACIÓN**

**7 AÑOS EN LOS PANELES SOLARES**

**5 AÑOS EN EL INVERSOR.**



## **PAGOS**

**EFFECTIVO**

**TRANSFERENCIA ELECTRONICA**

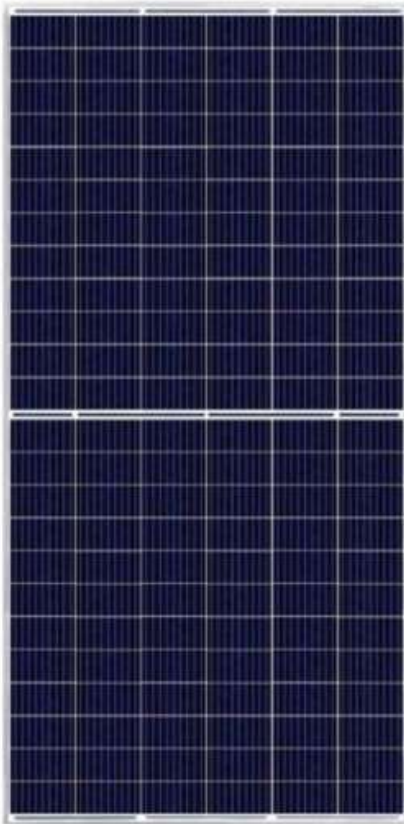
**TARJETAS DE DÉBITO**

**TARJETAS DE CRÉDITO 3 CUOTAS PRECIO CONTADO**

Queda excluido de la garantía daños realizados por mal uso del usuario y factores de fuerza mayor (temporal, rayos, sobretensión, fuego, etc.) entre otros puntos que se detallan en el contrato.

# PANEL SOLAR HiKu SUPER HIGH POWER MONO PERC MODULE DE 445 WATTS.

**TAMAÑO: 2108 X 1048 X40 MM**



26% más potencia que módulos convencionales



Hasta un 4.5% de LCOE  
Hasta un 2,7% menos de costes del sistema



NMOT bajo:  $42 \pm 3$  ° C



Mejor tolerancia al sombreado



Corriente interna más baja, Temperatura más baja del punto caliente



Minimiza los impactos de microgrietas



Carga de nieve pesada hasta 5400 Pa, carga de viento hasta 3600 Pa.

## MANAGEMENT SYSTEM CERTIFICATES\*

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

OHSAS 18001:2007 / International standards for occupational health & safety

## PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730: VDE / CE / MCS / INMETRO

UL 1703: CSA / IEC 61701 ED2: VDE / IEC 62716: VDE / IEC 60068-2-68: SGS

UNI 9177 Reaction to Fire: Class 1 / Take-e-way



\* As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 40 GW deployed around the world since 2001.



# INVERSOR de 4,6 KWp Modelo SOLIS RHI-4.6K-48ES

**TAMAÑO: 505 X 333 X 249 MM**

- ▶ Inversor fotovoltaico híbrido inteligente Solis
- ▶ MPPT doble - 4.6K
- ▶ Función de respaldo fuera de la red
- ▶ Control de exportaciones
- ▶ Función UPS
- ▶ Función EMS inteligente
- ▶ Múltiples funciones de protección
- ▶ CAN, RS485, WiFi / LAN / GRPS (opcional)

Model Name	RHI-4.6K-48ES
<b>Input DC(PV side)</b>	
Max. DC input power(kW)	6
The max DC input voltage(V)	600
Nominal DC voltage(V)	330
Start-up DC voltage(V)	120
MPPT operating voltage range(V)	90-520
The rating max dc input current(A/B)	11A+11A
Max. Short Circuit current for each MPPT	17.2A+17.2A
MPPT number/Max input strings number	2/A:1; B:1
<b>Battery</b>	
Battery Type	Li-ion
Battery Voltage range(V)	42 -58
Battery Capacity (Ah)	50-2000
Maximum Charging Power(kW)	3
Maximum Charge/discharge current(A)	62.5/62.5
<b>Output AC(Back-up)</b>	
Rating output power(kW)	3
Transient max. apparent output power	4kVA, 10sec
Back-up switch time	<10ms
Operation phase	Single Phase
Rated grid voltage(V)	220/230/240
Rated frequency(Hz)	50/60
Rated output current(A)	13
THDi	2%(linear load)

Output AC(Grid side)	
Rated output power(kW)	4.6
Max. apparent output power(kVA)	4.6
Operation phase	L-N-PE
Rated grid voltage	220/230/240Vac
Rated grid frequency(Hz)	50/60Hz
Rated grid output current(A)	20.9
Max. output current(A)	23 (21.7 for AUS)
Output power factor	1 (default) and 0.8leading ... 0.8lagging adjustable
Output THDi	<2%
Efficiency	
Max efficiency of Solar Inverting	>97.5%
European efficiency of Solar Inverting	>96.8%
Max efficiency of Battery Inverting	>95%
Max efficiency of Battery charging	>95%
Protection	
Ground fault monitoring	Integrated
Residual current monitoring unit	Integrated
DC AFCI	Optional
DC reverse polarity protection	Yes
Protection class/Over voltage category	I/III
General data	
Dimensions (mm)	333W*505H*249D
Weight(kg)	17
Operation temperature range	-25~60°C
Protection degree/ Pollution degree	IP65/ PD3
Inverter Topology	High frequency isolation (for battery)
Noise emission (typical)	<20dBA
Cooling concept	Natural convection
Max.operation altitude	2000m
Design lifetime	>20 years
Grid connection standard	EN50438, G98, G99,AS4777.2:2015, VDE0126-1-1, IEC61727, VDE
Safety / EMC standard	IEC62040-1, IEC62109-1/-2, AS3100, NB/T 32004, EN61000-6-2, EN6
AC and DC Connections	Quick Connector
Display	7.0"LCD color screen display
Interface	CAN/RS485/WiFi/GPRS optional
Warranty	5 Years /10 Years /15 Years /20 Years

# Batería de Litio Pylontech 3.000 Wh

**TAMAÑO: 442 X 420 X 132 MM**



Basic Parameters	US3000
Nominal Voltage (V)	48
Nominal Capacity (Wh)	3552
Usable Capacity (Wh)	3200
Dimension (mm)	442*420*132
Weight (Kg)	32
Discharge Voltage (V)	45~53.5
Charge Voltage (V)	52.5~53.5
Charge / Discharge Current (A)	37 (Recommend)
	74 (Max)
	100 (Peak@15s)
Communication Port	RS485, CAN
Single string quantity(pcs)	8
Working Temperature/°C	-20~60
Shelf Temperature/°C	-20~60
Humidity	5%~85%
Altitude (m)	< 4000
Design life	15 <sup>+</sup> Years (25°C/77°F)
Cycle Life	>6000, 25°C
Authentication Level	IEC62619/CE /UN38.3