



# **Solución de limitación de inyección para inversores solax**



# Contenido



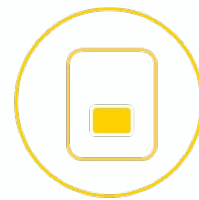
**ACERCA DE  
SOLAX**



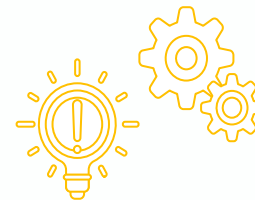
**SERVICIOS**



**PORTAFOLIO**



**PRODUCTOS**



**LIMITACION  
DE EXEDENTES**

# ACERCA DE SOLAX

**2012**

Fundación de SolaX Power

**2013**

Lanzó el primer inversor híbrido de Asia y ahora es de 4ta generación

**2014**

Filial en Australia

**2015-2017**

- Primer inversor híbrido en Europa
- Filial en Países Bajos

**2019-2021**

- Primer lanzamiento para Norte America
- Galardonada Por sus inversores de inyeccion a red

**500+**  
**CERTIFICACIONES**

Tanto nacionales  
como internacionales



**34**  
**Patentes de inversion**

SEDES, CENTRO DE I+D

# BASES DE I+D

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**HANGZHOU**

ENFOCADO EN INVERSORES  
HIBRIDOS Y BATERIA



**SHENZHEN**

ENFOCADO EN PRODUCTOS  
PARA NORTE AMERICA



**SUZHOU**

ENFOCADO EN INVERSORES  
CONECTADOS A LA RED



**XI'AN**

ENFORCADO EN  
INVERSORES DE BAJA  
POTENCIA

# CERTIFICADOS INTERNACIONALES



# ESTANDAR DE CALIDAD



ISO9000



ISO14000



ISO45001



SA8000

# Portafolio

## MEJOR MARCA PV INVERSORES Y ALMACENAMIENTO



# SolaX En los Medios

**SolaX storage system + EV chargers = CLEANER LIFE**

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Storage Capacity from 11.5 kWh - 460 kWh  
Add up to 10 SolaX x3-Hybrid inverters at your demand  
Full picture on quality

**SolaX storage system + Heat pump = CLEANER LIFE**

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
Q1 2022 | 201318  
Just add salt  
Charge, save batteries powered by sodium-ion technology  
C&I to the rescue  
A boom in commercial and industrial installations is driving a Turkish market revival

**SolaX storage system + EV chargers = CLEANER LIFE**

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
Q1 2022 | 201318  
TOP notch  
How n-type technology is moving into mainstream production

**SOLA X**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Storage Capacity from 11.5 kWh - 460 kWh  
Add up to 10 SolaX x3-Hybrid inverters at your demand  
Full picture on quality

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Peter-Pak files  
The expanded palette of quality residences, measures, and mitigation strategies, focus monitoring manufacturing to producing performance

**SOLA X**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Storage Capacity from 11.5 kWh - 460 kWh  
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Full picture on quality

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
A redrawn energy landscape  
The future for European solar  
High efficiency in mass production  
Challenges making PV effective work

**SOLA X**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Storage Capacity from 11.5 kWh - 460 kWh  
Add up to 10 SolaX x3-Hybrid inverters at your demand  
Full picture on quality

**pv magazine**  
PHOTOVOLTAIC MARKETS & TECHNOLOGY  
March 2023  
Energy Under Control  
Emergency power supply for your home with SolaX Hybrid inverters  
Distributed bliss  
Inside the booming markets driving the next generation of small-scale solar growth



# PROYECTOS SOLARES RESIDENCIALES



# PROYECTOS SOLARES COMERCIALES





# PROYECTO

## PROYECTO

- 24.39MWp fotovoltaicos distribuidos en azotea
- En DAYE Special Steel Co.,Ltd. Hubei
- X3 Forth 60/80/100/120kW



**PRODUCTO**



# INVERSORES CONECTADOS A LA RED



**X1-MINI G4**  
0.6-3.3kW



**X1-BOOST G4**  
2.5-6kW



**X1-SMART**  
6.0-8.0kW



**X3-MIC G2**  
5-8kW



**X3-PRO G2**  
10-15kW



**X3-MEGA G2**  
20-25kW



**X3-FORTH**  
40-70kW

X1 SERIES

X3 SERIES

# SUPERIOR PERFORMANCE



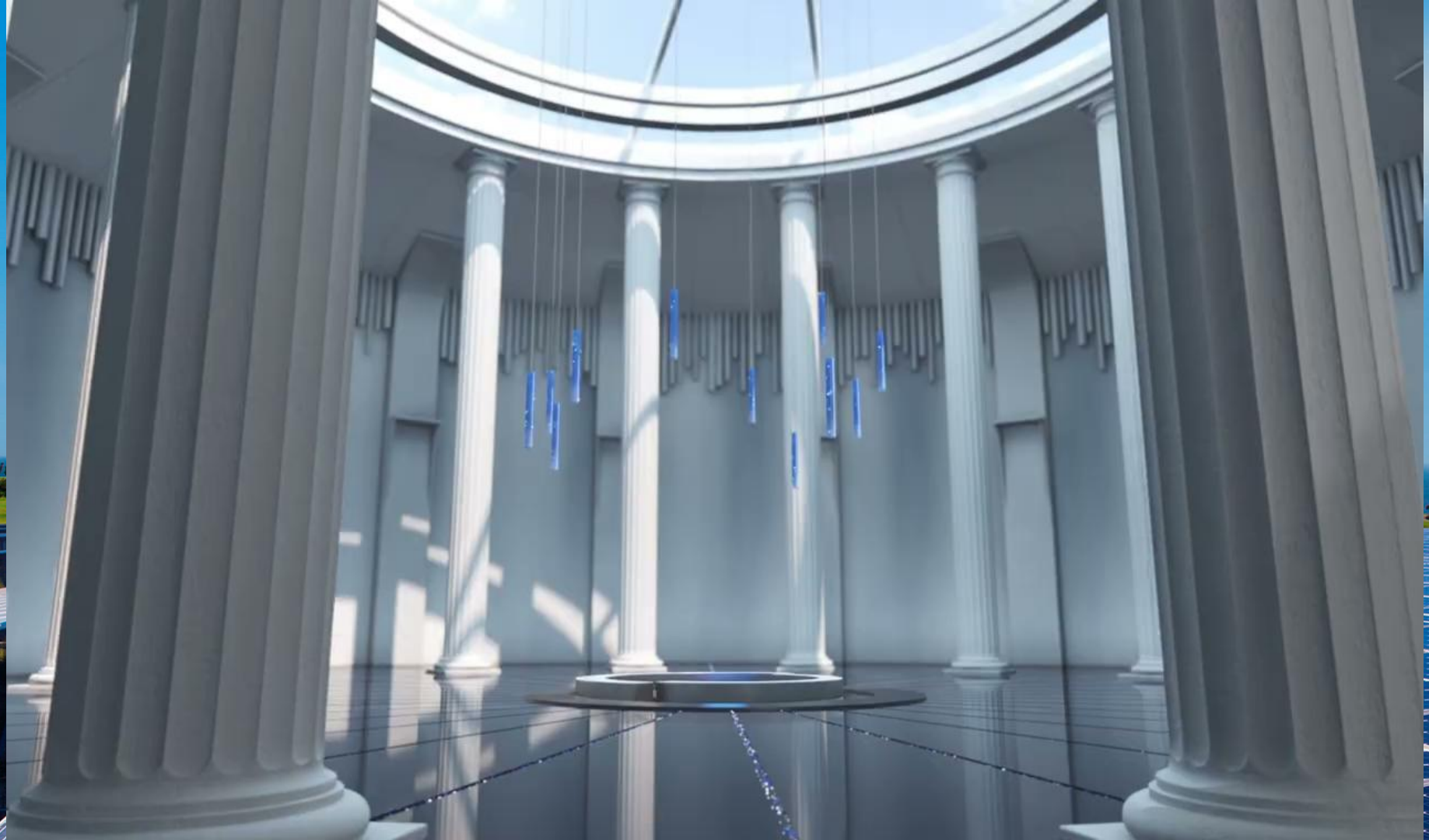
- 50V ultra low startup voltage
- 200% DC oversizing and 110% AC overloading
- Max. DC input 16A per string
- Wider MPPT range 40~560V
- In-built global MPP scan



## X1-BOOST G4

RESIDENTIAL GRID-TIED SOLUTIONS

2.5kW/ 3kW/ 3.3kW/ 3.6kW/ 4.2kW/ 5kW/ 6kW





# X1-MINI G4

X1-MINI-0.6K-G4 X1-MINI-0.7K-G4 X1-MINI-0.8K-G4 X1-MINI-1.1K-G4 X1-MINI-1.5K-G4 X1-MINI-2.0K-G4 X1-MINI-2.5K-G4 X1-MINI-3.0K-G4 X1-MINI-3.3K-G4 X1-MINI-3.7K-G4 X1-MINI-4.0K-G4

## DC INPUT

Max. PV array input power [Wp]	1200	1400	1600	2200	3000	4000	5000	6000	6600	7400	8000
Max. PV input voltage [V]	450	450	450	450	450	450	550	550	550	550	550
Startup voltage [V]	50	50	50	50	50	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	40~450	40~450	40~450	40~450	40~450	40~450	40~550	40~550	40~550	40~550	40~550
No. of MPP trackers / Strings per MPP tracker	1/1										
Max. PV input current [A]	16										
Isc PV Array Short Circuit current [A]	22										

## AC OUTPUT

Rated AC output power [W]	600	700	800	1100	1500	2000	2500	3000	3300	3700	4000
Rated AC output current [A]	2.6	3.1	3.5	4.8	6.5	8.7	10.9	13.1	14.4	16.1	17.4
Max. AC output apparent power [VA]	600	770	800	1210	1650	2200	2750	3300	3300	3700	4000
Max. AC output current [A]	3	3.5	3.7	5.5	7.5	10	12.5	15	15	18.5	20
Nominal AC voltage/AC voltage range [V]**	220/230/240;90~285						220/230/240;90~290				
Nominal AC frequency/AC frequency range [Hz]**	50/60;±5										
Power Factor range	0.8 leading~0.8 lagging										
THDi (Rated power) [%]	<3										





# X1-BOOST G4

X1-BOOST-2.5K-G4 X1-BOOST-3K-G4 X1-BOOST-3.3K-G4 X1-BOOST-3.6K-G4 X1-BOOST-4K-G4 X1-BOOST-4.2K-G4 X1-BOOST-5K-G4 X1-BOOST-6K-G4

## DC INPUT

Max. PV array input power [Wp]	6000	6000	6600	7200	8000	8000	10000	12000
Max. PV input voltage [V]	600	600	600	600	600	600	600	600
Startup voltage [V]	50	50	50	50	50	50	50	50
Nominal input voltage [V]	360	360	360	360	360	360	360	360
MPP tracker voltage range [V]	40~560	40~560	40~560	40~560	40~560	40~560	40~560	40~560
No. of MPP trackers / String per MPP tracker	2 / 1							
Max. PV input current[A]	16 / 16							
Isc PV Array Short Circuit current [A]	22 / 22							

## AC OUTPUT

Rated AC output power [W]	2500	3000	3300	3680	4000	4200	5000 <sup>①</sup>	6000
Rated AC output current [A]	10.9	13.1	14.4	16	17.4 <sup>②</sup>	18.3	21.7	26.1
Max. AC output apparent power [VA]	2750	3300	3630	4048 <sup>④</sup>	4000	4620	5000 <sup>③</sup>	6000
Max. AC output current [A]	12	14.4	15.8	17.6 <sup>⑤</sup>	17.4 <sup>⑥</sup>	20.1	21.7 <sup>③</sup>	27.3
Nominal AC voltage / AC voltage range [V] **	220/230/240;90~290							
Nominal AC frequency / AC frequency range [Hz] **	50/60;±5							
Power Factor range	0.8leading~0.8lagging							
THDi (rated power) [%]	<3							



# X1-SMART (SINGLE-PHASE)

X1-6.0-T-D  
X1-6.0-T-N

X1-7.0-T-D  
X1-7.0-T-N

X1-8.0-T-D  
X1-8.0-T-N

## DC INPUT

Max. PV array input power [Wp]	3000/6000	3500/7000	4000/8000
Max. PV input voltage [V]	550	550	550
Startup voltage [V]	100	100	100
Nominal input voltage [V]	360	360	360
MPP tracker voltage range [V]	100~530	100~530	100~530
No. of MPP trackers/Strings per MPP tracker	2(1/2)	2(1/2)	2(1/2)
Max. PV input current [A]	14/28	14/28	14/28
Isc PV Array Short Circuit current [A]	18/36	18/36	18/36

## AC OUTPUT

Rated AC output power [W]	6000	7000	8000
Rated AC output current [A]	26	30	34.7
Max. AC output apparent power [VA]	6600	7700	8800
Max. AC output current [A]	28.7	33.5	38.3
Nominal AC voltage/AC voltage range [V]*	220V/230/240,160~285		
Nominal AC frequency/AC frequency range [Hz]*	50/60; ±5		
Power Factor range	0.8 leading~0.8 lagging		
THDi (rated power) [%]	<3		



# X3-MIC-G2-LV

X3-MIC-5K-G2-LV

X3-MIC-6K-G2-LV

X3-MIC-8K-G2-LV

## AC INPUT

Max. PV array input power [kWp]	10	12	16
Max. PV input voltage [V]		800	
Nominal input voltage [V]		360	
Startup voltage [V]		150	
MPP tracker voltage range [V]		120-650	
Max. input current(input A/input B) [A]		16/16	
Max. short circuit current(input A/input B) [A]		20/20	
No. of MPP trackers		2	
Strings per MPP tracker		1	

## AC OUTPUT

Nominal AC output power [kW]	5	6	8
Nominal AC output current [A]	13.2	15.8	21
Max. AC output active power [kW]	5.5	6.6	8.8
Max. AC output apparent power [kVA]	5.5	6.6	8.8
Max. AC output current [A]	14.5	17.4	23.1
Nominal AC voltage [V]		220/127, 3/N/PE	
Nominal grid frequency [Hz]		50/60	
THDi (Rated power) [%]		<3	
Power factor (Rated power)		>0.99	
Displacement power factor		0.8 leading~0.8 lagging	

## EFFICIENCY

Max. efficiency [%]		98.3%	
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# X3-PRO-G2-LV

## X3-PRO-10K-G2-LV

## X3-PRO-12K-G2-LV

## X3-PRO-15K-G2-LV

INPUT(DC)	X3-PRO-10K-G2-LV	X3-PRO-12K-G2-LV	X3-PRO-15K-G2-LV
Max. PV array input power [kWp]	20	24	30
Max. PV input voltage [V]		800	
Nominal input voltage [V]		360	
Startup voltage [V]		200	
MPP tracker voltage range [V]		160-650	
Max. input current [A]		32/32	
Max. short circuit current [A]		40/40	
No. of MPP trackers		2	
Strings per MPP tracker		2	
OUTPUT(AC)	X3-PRO-10K-G2-LV	X3-PRO-12K-G2-LV	X3-PRO-15K-G2-LV
Nominal AC output power [kW]	10	12	15
Nominal AC output current [A]	26.3	31.5	39.4
Max. AC output active power [kW]	11	13.2	16.5
Max. AC output current [A]	28.9	34.7	43.4
Nominal AC voltage [V]		220/127, 3/N/PE, 3/PE	
Nominal grid frequency [Hz]		50/60	
THDi(rated power) [%]		<3	
Power factor(rated power)		>0.99	
Displacement power factor		0.8 leading~0.8 lagging	



# X3-MEGA-G2-LV

X3-MGA-20K-G2-LV

X3-MGA-25K-G2-LV

X3-MGA-30K-G2-LV

X3-MGA-35K-G2-LV

## INPUT(DC)

Max. PV array input power [kWp]	30	37.5	45	52.5
Max. PV input voltage [V]			800	
Nominal input voltage [V]			360	
Startup voltage [V]			200	
MPP tracker voltage range [V]			180~650	
No. of MPP trackers	3	4	5	5
Strings per MPP tracker			2	
Max. input current per MPPT [A]			32	
Max. short circuit current per MPPT [A]			46	

## OUTPUT(AC)

Nominal AC output power [kW]	20	25	30	35
Nominal AC output current [A]	52.5	65.7	78.8	91.9
Max. AC output apparent power [kVA]	22	27.5	33	35
Max. AC output current [A]	57.8	72.2	86.7	91.9
Nominal AC voltage [V]			127/220, 3/N/PE, 3/PE	
Nominal grid frequency [Hz]			50/60	
THDi (Rated power) [%]			<3	
Displacement power factor			0.8 leading~0.8 lagging	



# X3-FORTH-LV (THREE PHASE)

X3-FTH-40K-LV

X3-FTH-50K-LV

X3-FTH-60K-LV

X3-FTH-70K-LV

## DC INPUT

Max. PV array input power [kWp]	60	75	90	105
Max. PV input voltage [V]	800	800	800	800
Nominal input voltage [V]	360	360	360	360
Startup voltage [V]	200	200	200	200
MPP tracker voltage range [V]	180~650	180~650	180~650	180~650
No. of MPP trackers	6	6	9	9
Strings per MPP tracker	2	2	2	2
Max. input current per MPPT [A]	32	32	32	32
Max. short circuit current per MPPT [A]	46	46	46	46

## AC OUTPUT

Nominal AC output power [kW]	40	50	60	70
Nominal AC output current [A]	105	131.3	157.5	183.7
Max. AC output apparent power [kVA]	44	55	66	70
Max. AC output current [A]	115.5	144.5	173.5	183.7
Nominal AC voltage [V]	127/220, 3/N/PE, 3/PE			
Nominal grid frequency [Hz]	50/60			
Displacement power factor	0.8 leading ~ 0.8 lagging			
THDi (Rated power) [%]	<3			







# ACCESORIOS



## Pocket WiFi V3.0

- Quick installation with "Plug & Play" function
- IP 65 dust prevention, water proofing
- Stable data transmission and good reliability
- Offline data storage and resuming
- Multiple antenna adaptations according to the situation



## Pocket 4G V3.0

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming
- Multi-communication operator support



## Pocket LAN V3.0

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming

# ACCESSORIE

# S



- Local & Remote monitoring, setting and upgrade of batch inverters
- Intelligent export control, DRM control, ripple control an etc. of batch inverters
- Support large-capacity data storage
- Support IEC104 protocol

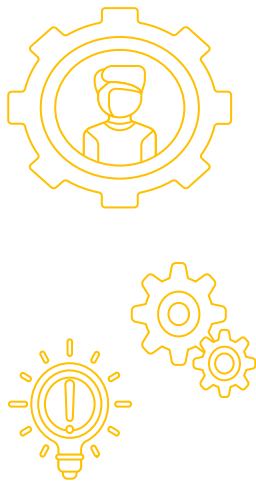


**Meter**

- Monitoring your home energy using
- Single phase: DDSU666
- Three phase: DT/SSU666
- Certifications: CE, SAA/RCM, MID, CPA



# Limitacion de exedentes





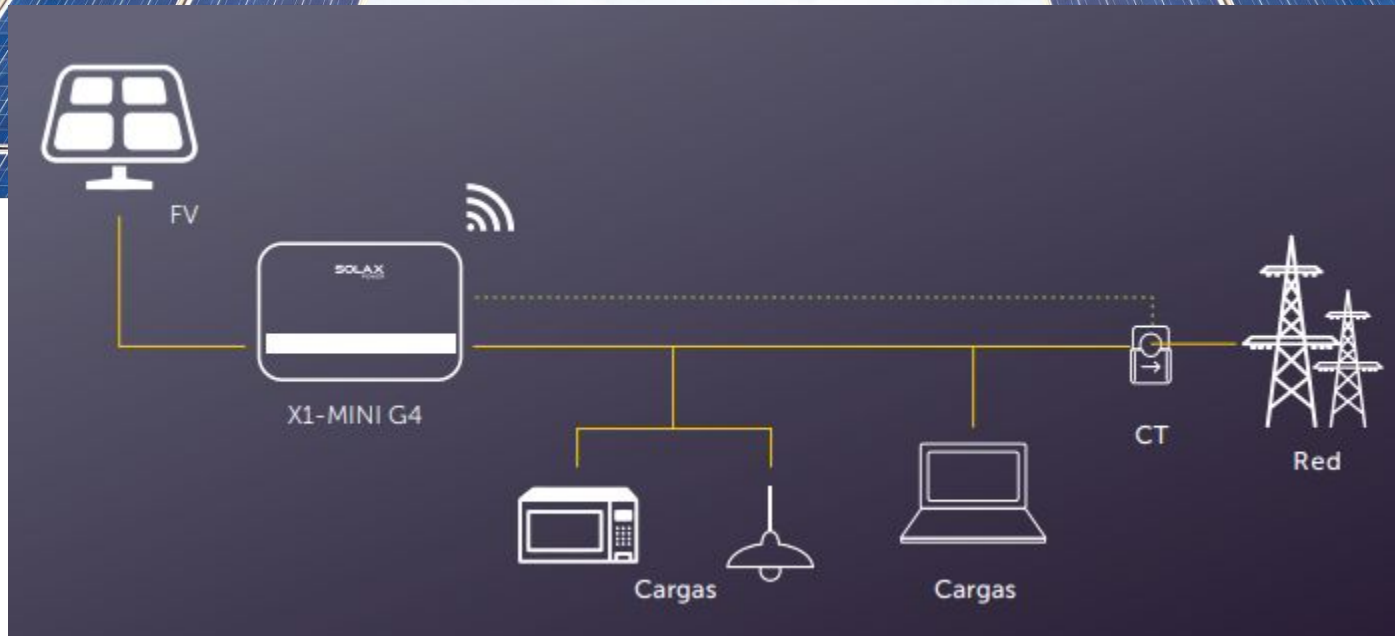
**X1-MINI G4**  
0.6-3.3kW

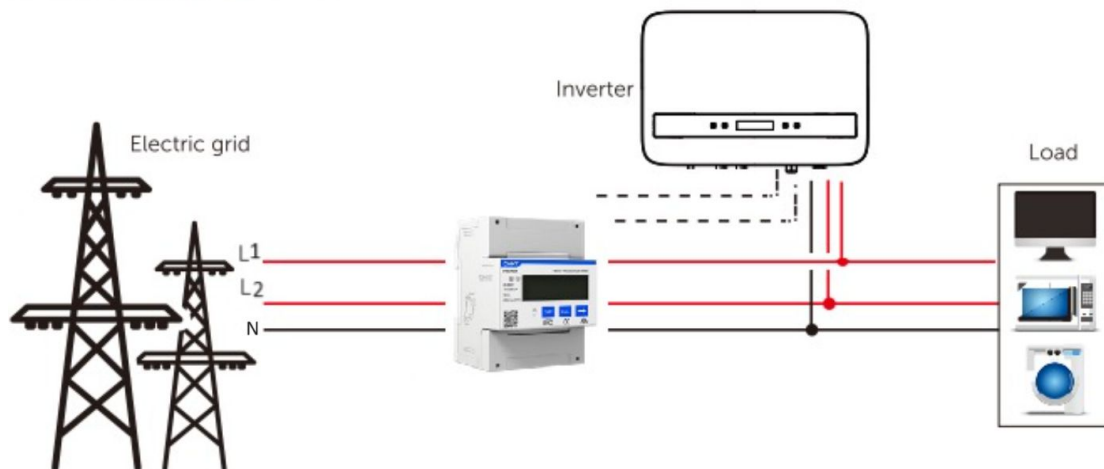


**X1-BOOST G4**  
2.5-6kW



**X1-SMART**  
6.0-8.0kW





### DTSU666

- Contador trifásico
- 80 A



### DTSU666-CT

- Contador trifásico
- 200 A
- Con CT



### SDM630M-CT V2

- Contador trifásico
- 200/600/1500 A
- Con CT

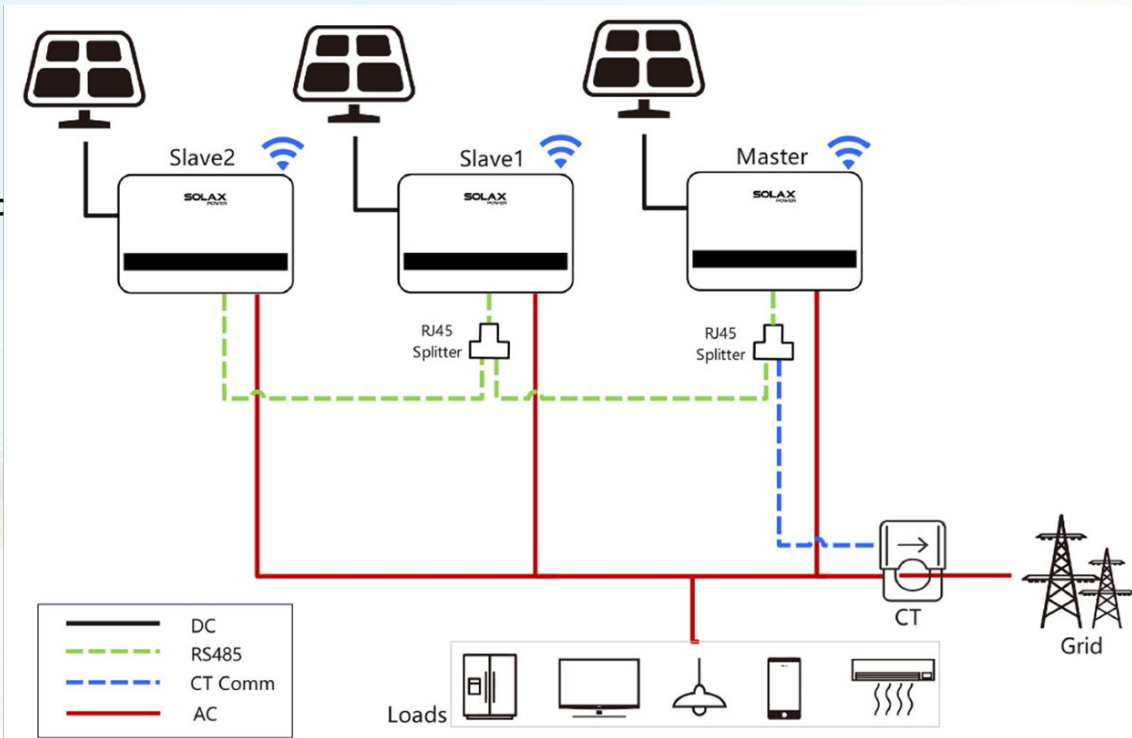
- Hasta 5 inversores en paralelo (Max.30kW)
- Se configurará como maestro un inversor que tenga CT conectado
- Los demás inversores serán esclavo
- Cada inversor conectado entre sí a través de RS485

### Modelos aplicables

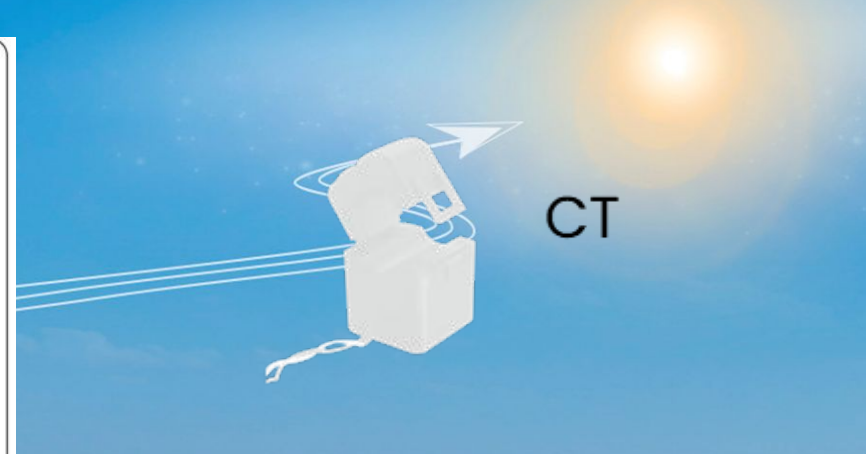
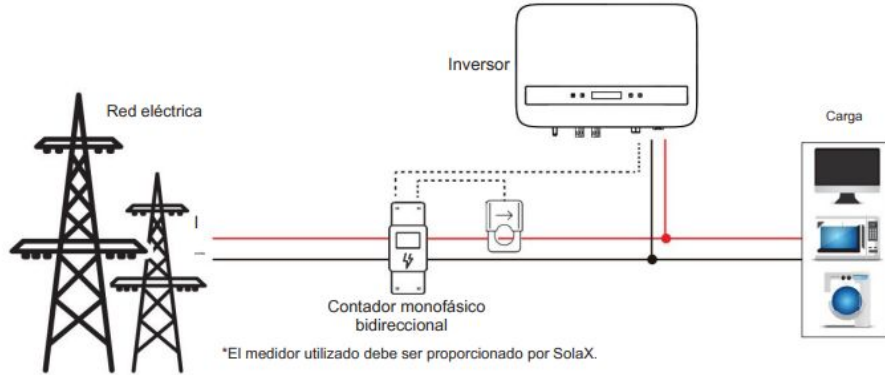
X1-MINI G4

X1-BOOST G4

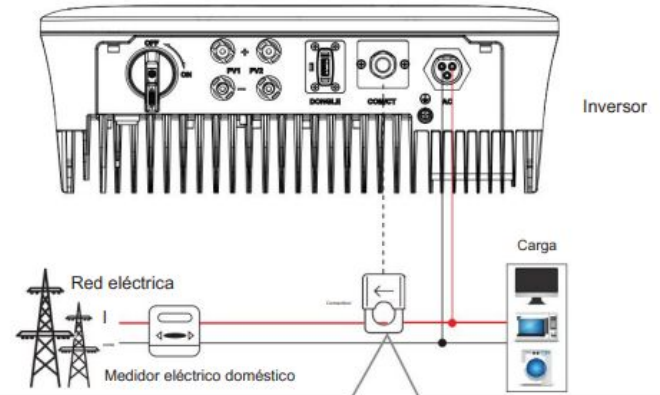
X3-PRO G2



# Ventajas Solax



- Para conexión directa de CT:



Medidor

- Hasta 60 inversores (20 × 3) en paralelo (con 1 × Datahub1000 como maestro)
- Todo el inversor será salvado.
- Cada inversor conectado entre sí a través de RS485

### Modelos aplicables

X1-MINI G4

X1-BOOST G4

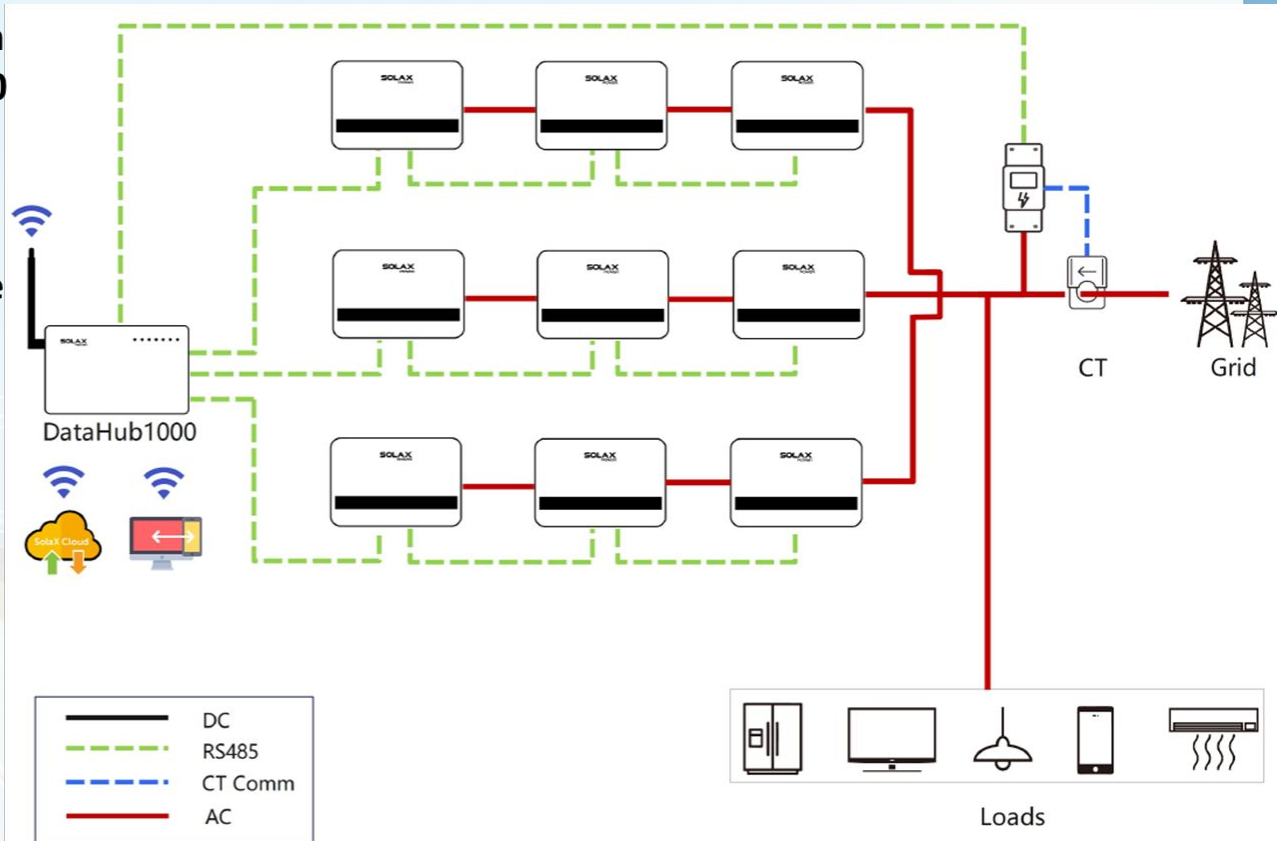
X3-MIC G2

X3-PRO G2

X3-MEGAG2

X3-CUARTO

X1/X3-HÍBRIDO G4





# APP





Sitio de ejemplo

📖 Guía del usuario ▾

🌐 Seleccionar idioma ▾

## Energy of the Future

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# APP



# THANKS

Powering a Green Future



Q solaxpower