

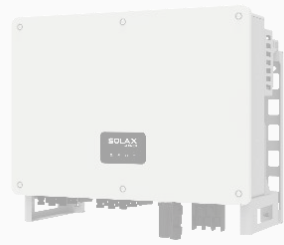










# On-grid Inverter Portfolio

Residential		Commercial & Utility		
Product Range	Single Phase	Three Phase		
On-grid Inverters	 <p>X1 Mini G3</p>	 <p>X1 MINI G4</p>	 <p>X3 MEGA G2</p>	
	 <p>X1 Boost G3</p>	 <p>X1 BOOST G4</p>		 <p>X3 PRO G2</p>
	 <p>X1 Smart</p>			
Accessories	 <p>Chint DDSU/DTS U 666-CT</p>	 <p>Pocke t</p>	 <p>Datahub 1000</p>	
Software	 <p>SolaX Cloud</p>		<p>SolaX Design</p>	

 X1-MINI G4

X1-Mini G3



X1-Mini G4

On-grid Inverter

Single Phase | 1MPPT

0.6kW / 0.7kW / 1.1kW / 1.5kW

2.0kW / 2.5kW / 3.0kW / 3.3kW

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Solax On-grid inverter power range start from only **0.6kW**

ideal for apartment/balcony scenario

# X1-BOOST G4



X1-BOOST G3



X1-BOOST G4

On-grid Inverter

Single Phase | 2MPPTs

2.5kW / 3.0kW / 3.3kW / 3.6kW

4.2kW / 5.0kW / 6.0kW



**X1-BOOST 5/6K G4**



**SUN2000 5/6kW KTL/L1**

<b>200%</b>	Oversizing	<b>150%</b>
<b>50V</b>	Start up voltage [V]	100V
<b>16</b>	Max. input current[A]	12.5
<b>22</b>	Isc per MPPT[A]	18
<b>40~560</b>	MPP tracker voltage range [V]	90~560
<b>IP66</b>	Ingress protection	IP65
<b>Type II</b>	SPD AC/DC	<b>Type II</b>
<b>Optional</b>	AFCI	N/A



**X1-BOOST 5/6K G4**



**SUN2000 5/6kW KTL/L1**

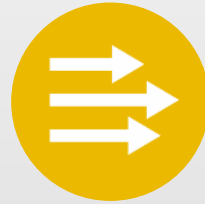
<b>11</b>	Weight (Kg)	<b>12</b>
<b>404*274*146</b>	Dimensions (W*H*D) [mm]	365*365*156
<b>LCD</b>	LCD Screen	NO
<b>Yes</b>	Smart I-V curve diagnosis	NO
<b>Optional</b>	10s level interval of data update	NO
<b>YES</b>	Master/Slave parallel solution	NO

# What's New on Mini/Boost G4



## Compact Design

New design on housing



## Superior Performance

200% oversizing  
16A MPPT Current  
22A Max Isc  
Low Start up Voltage  
Ultra wide MPPT range



## Protections

Type II SPD  
AFCI(Optional)  
RSD



## I-V Curve Scan

Early faulty diagnosis



## Load Management

Manage your heat pump with adapter box  
Compatible with EV charger

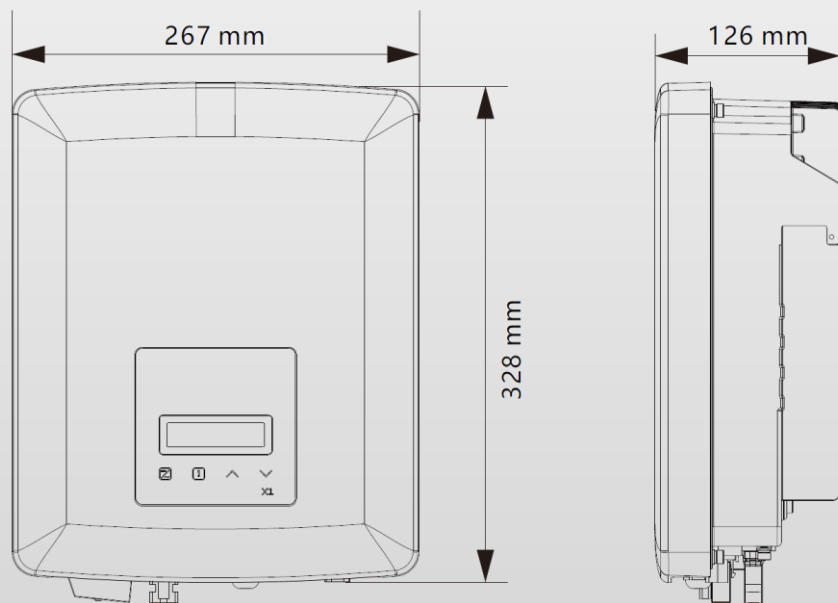


## Easy Expandable

Support up to 5 units in parallel connection without datahub

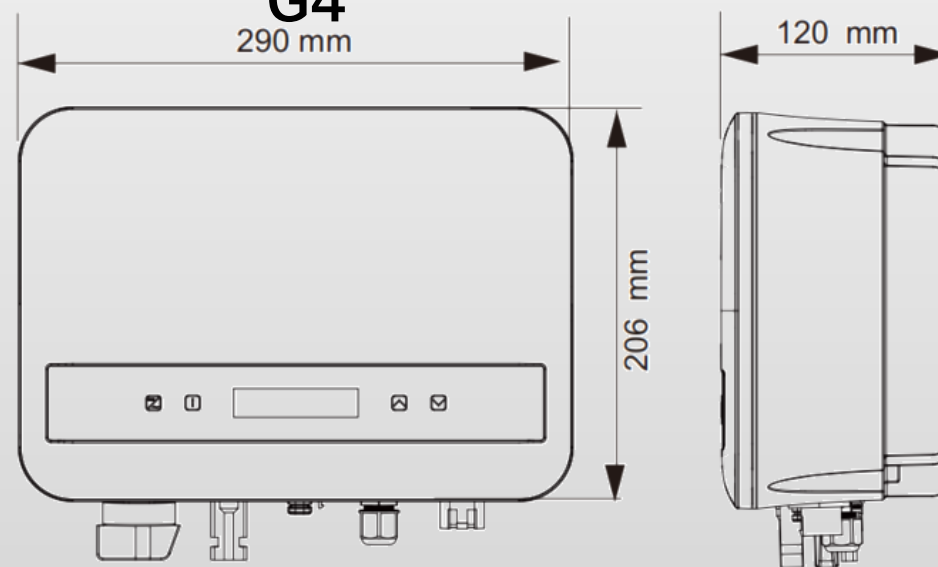
# Compact Design

## MINI 3.3kW G3



**8.3KG**

## MINI 3.3kW G4

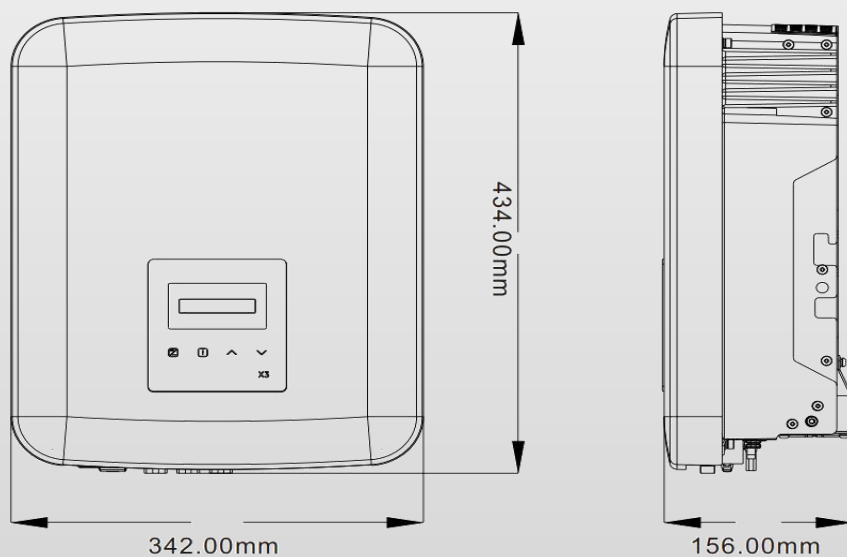


**5.5KG**

33% Lighter and 35%  
Smaller

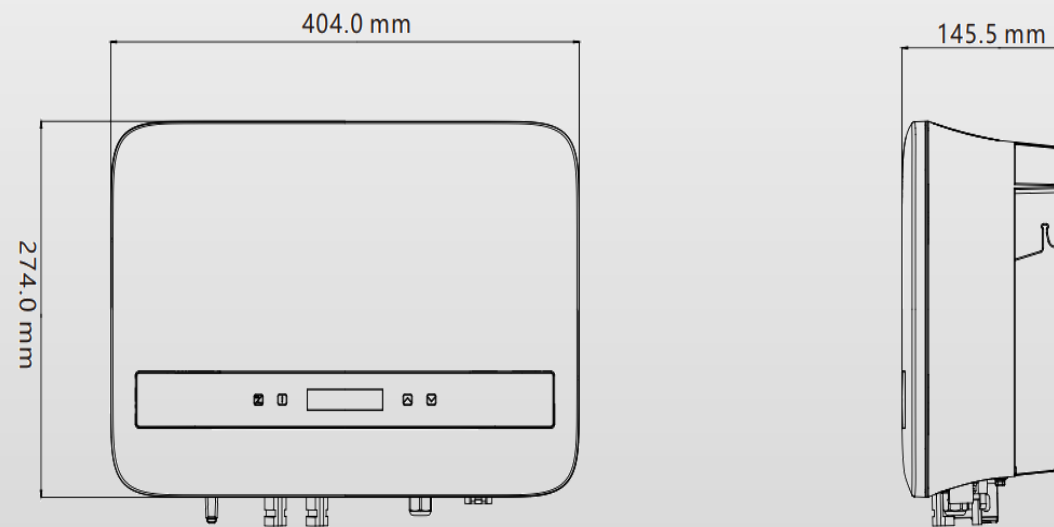
# Compact Design

## BOOST 6kW G3



**15KG**

## BOOST 6kW G4



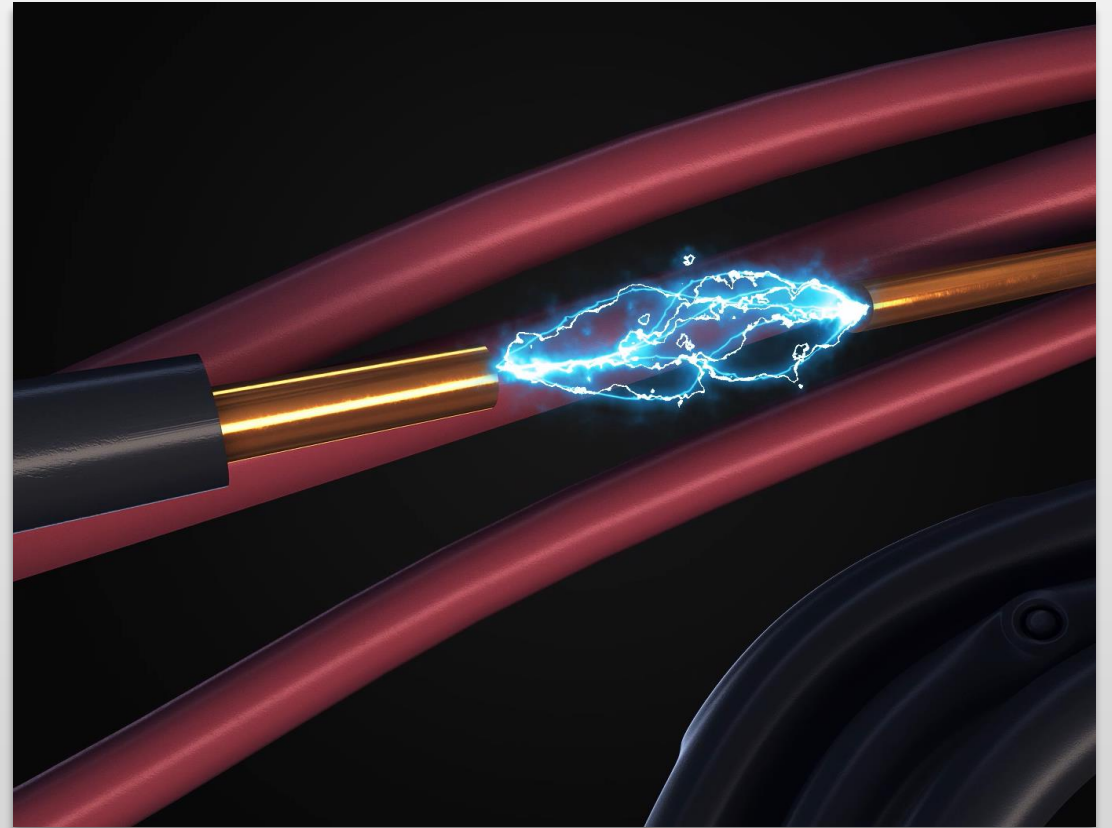
**11.5KG**

23% Lighter and 30% Smaller

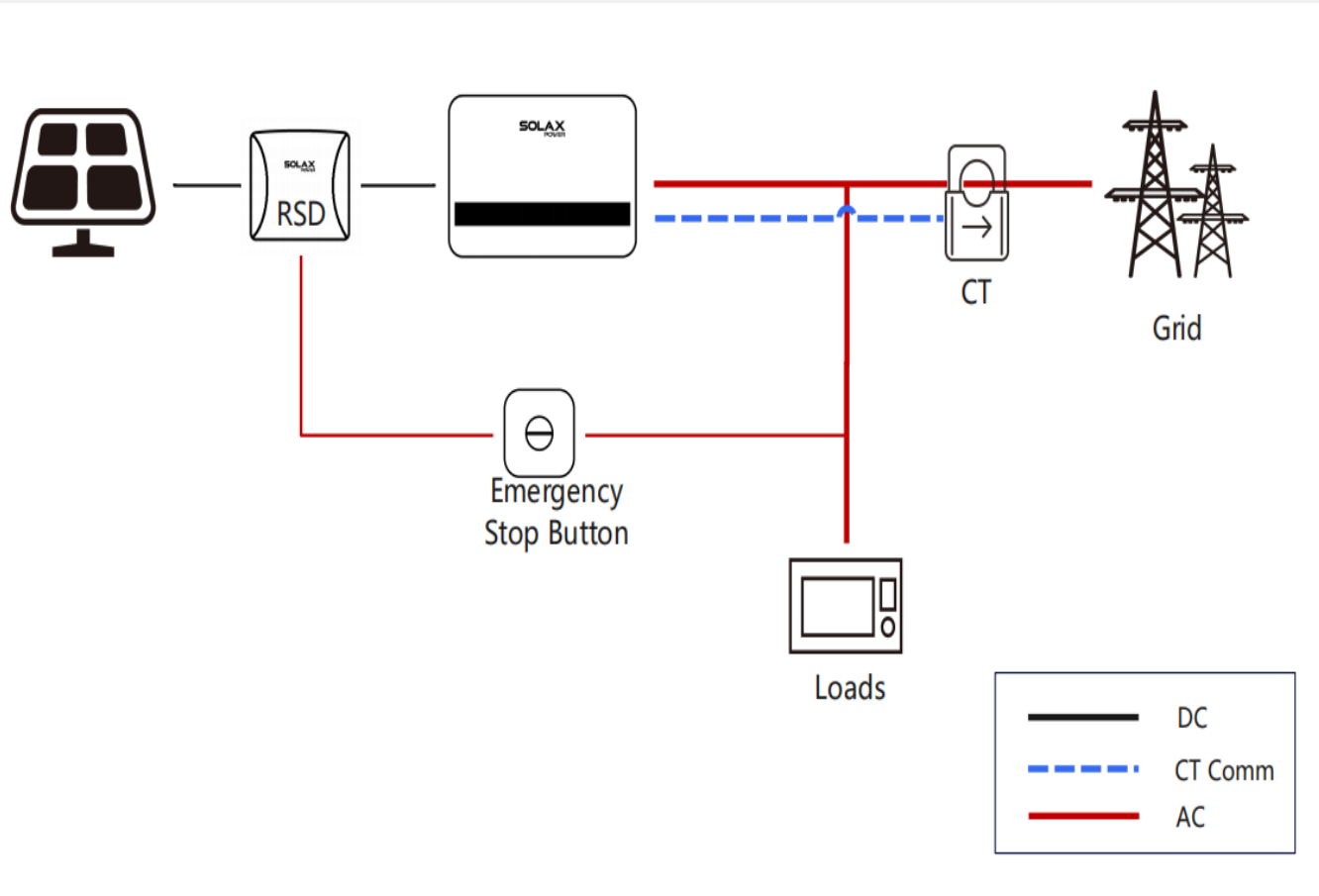


# Protections

- Built-in type II SPD on both AC and DC side
- Support Rapid Shut Down device(RSD)
- Optional ARC protection(AFCI)



# Single inverter with RSD & E-Stop



With SolaX RSD and external Emergency Stop Button(AC), X1-BOOST G4 can achieve Rapid Shutdown for AC interruption, over-heating of RSD (>75°C) and other emergency conditions.

	ITEM	Qty
1	X1-BOOST G4	~
2	RSD-SL-16-4 (2 strings, 16A)	1
3	Emergency Stop Button	1
4	SolaX Meter or CT	1
5	Optional monitoring: WiFi/LAN/4G	NOT Required

# I-V Curve Scan

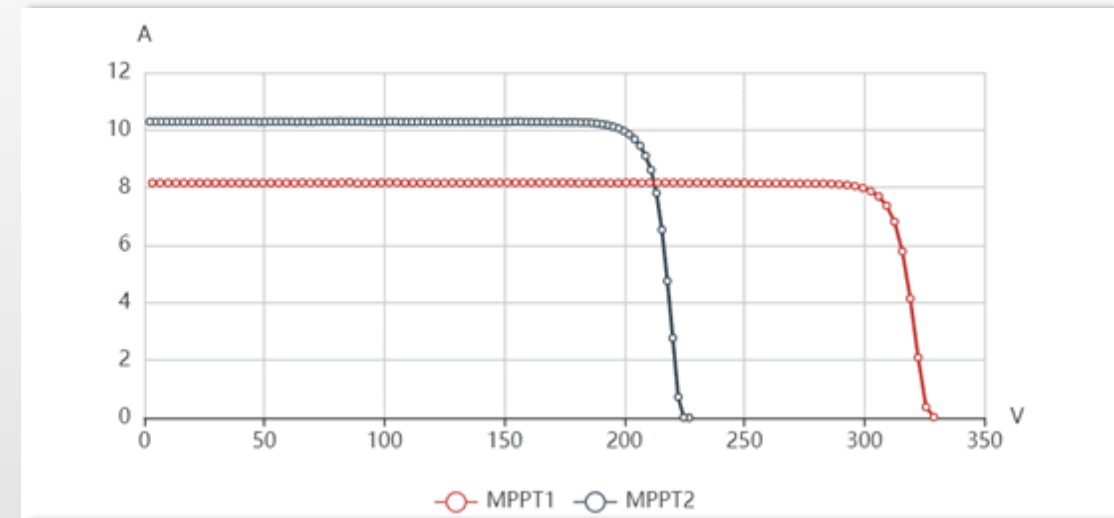
IV Curve Scan can help to diagnose issues of PV panels.

Compared with the normal curves, customers can find issue from the new scan result if the curves are not in normal shape.

On SolaX Cloud, the I-V curve scan can be initialized on each MPPT

For example we have the following DC input for X1-BOOST G4:

- MPPT1: 300V 8A
- MPPT2: 200V 10A

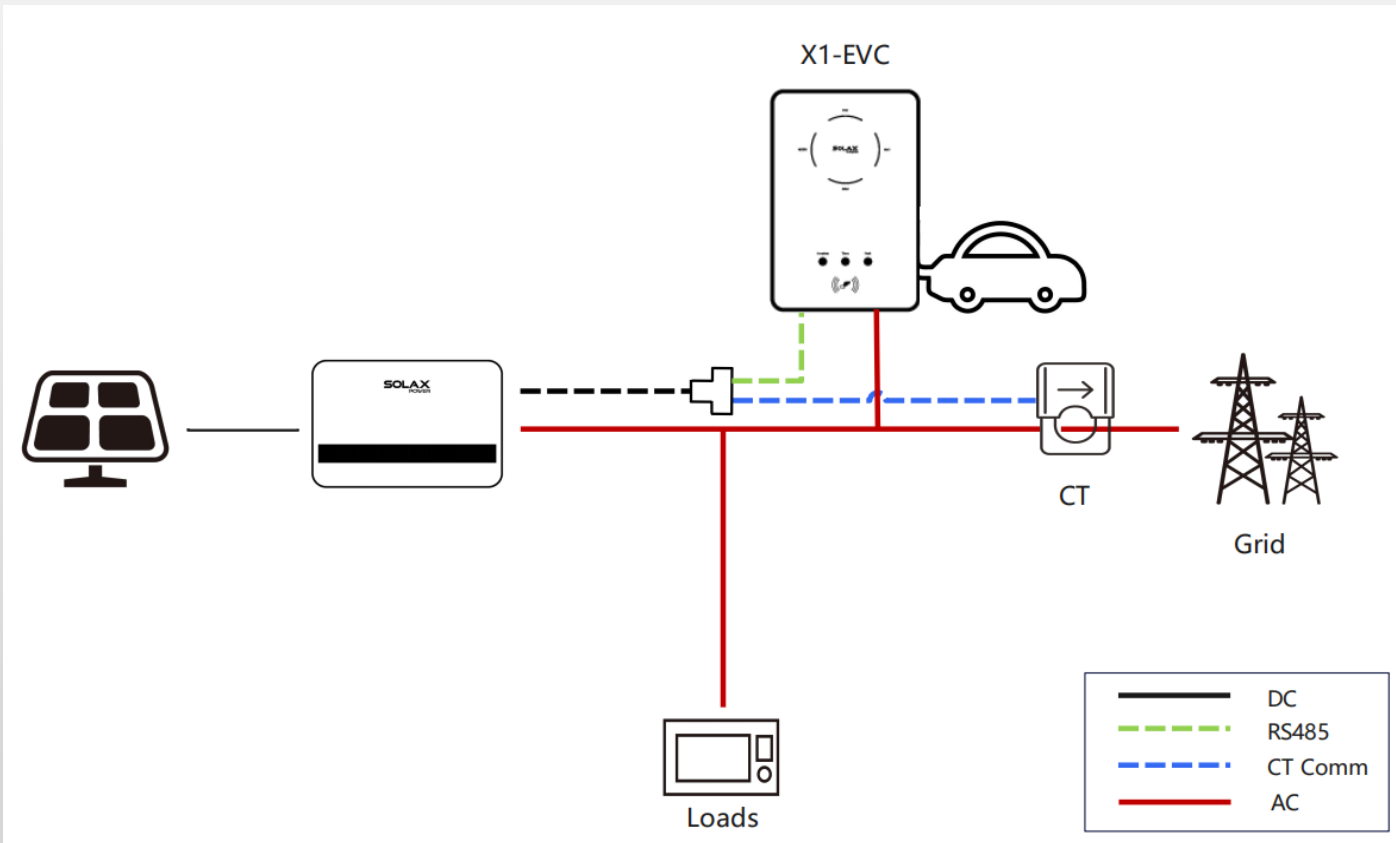


The screenshot shows the SolaX Cloud interface with a pop-up window titled "IV Curve". The pop-up displays a scan result for MPPT1 with a "Success" status and a table of scan results.

No.	Scan Target	Scan Status
1	MPPT1	Success
2	MPPT2	pv not connected

The background interface shows a list of inverters with columns for Inverter Type and Rated Power. The MPPT1 curve from the top figure is overlaid on the pop-up window's graph.

# Adapt to Solax EVC

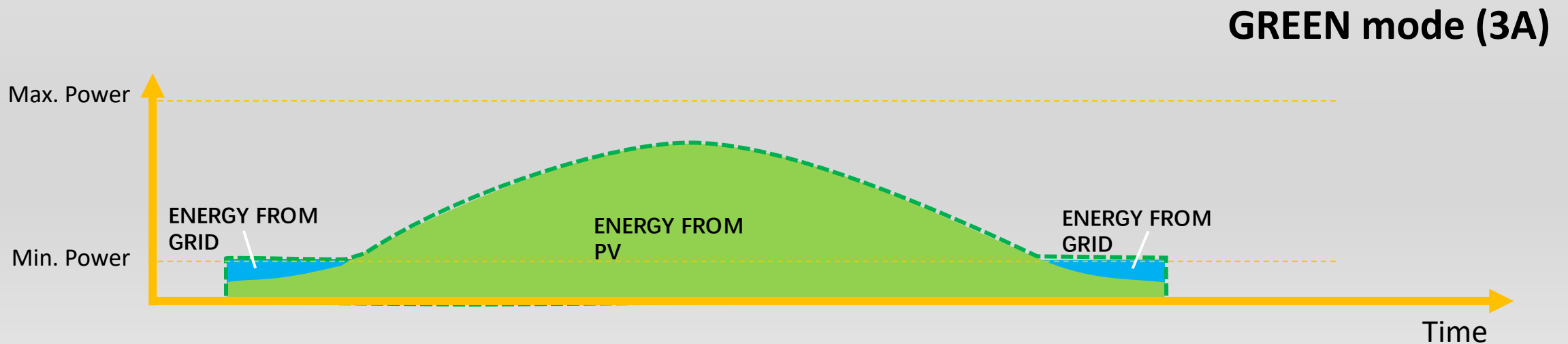
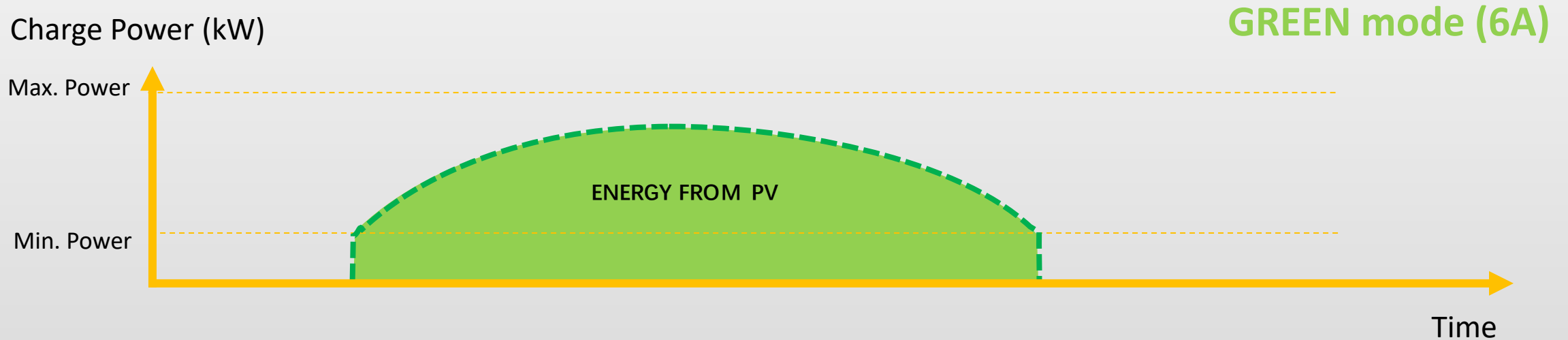


X1-BOOST/MINI G4 with SolaX EV Charger X1-EVC-7.2K can achieve Green mode, Eco mode, Fast mode and Dynamic load balancing etc.

	ITEM	Qty
1	X1-BOOST/MINI G4	1
2	X1-EVC-7.2K	1
3	SolaX Meter/CT	1
4	RJ45 Splitter	1
5	Optional monitoring: WiFi/LAN/4G	1

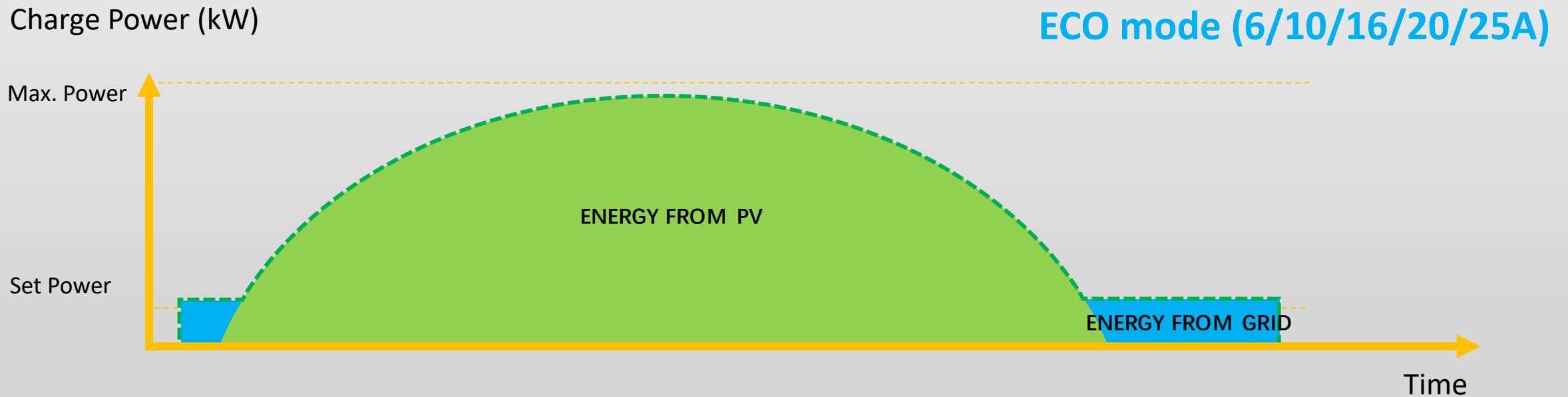
# Adapt to Solax EVC

Thanks to the communication between the charger and inverter, the system has Green/Eco mode to use full-green/Semi-green energy to charge your vehicle

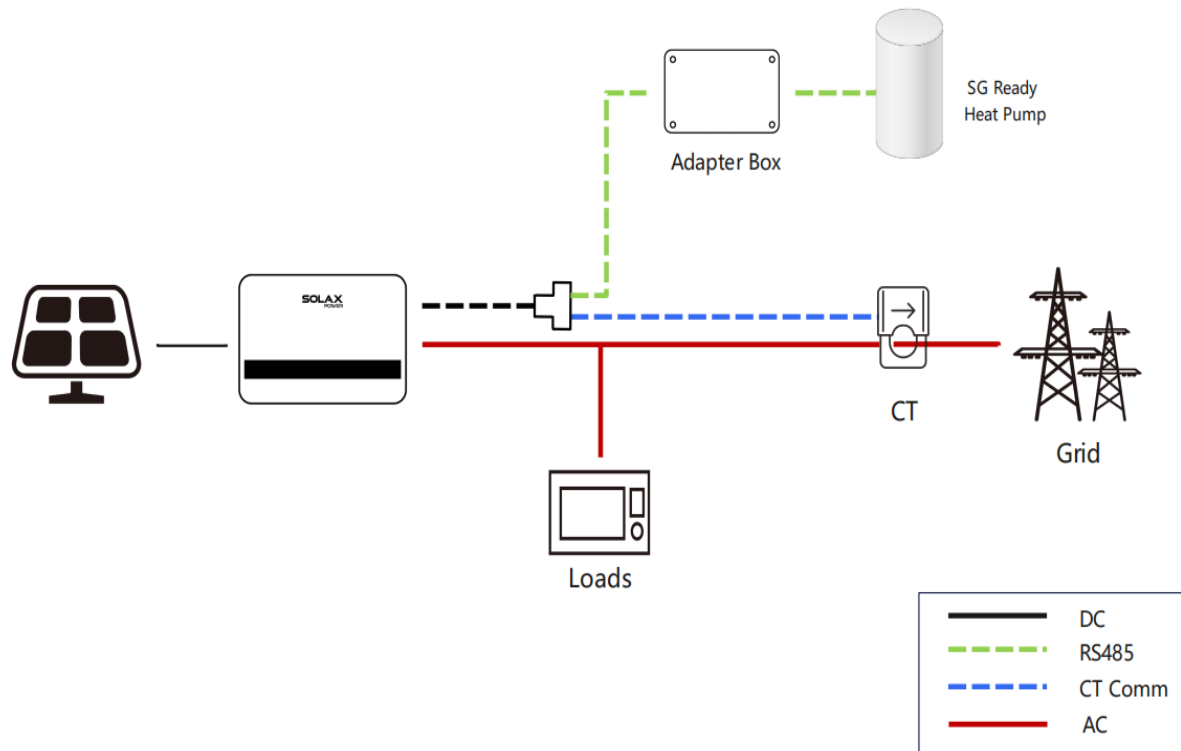


## Adapt to Solax EVC

In Eco mode: it helps users to charge at a minimum power rate (set by user). If there is surplus energy from PV, it can exceed the minimum power rate to make full use the energy. If the PV energy is not enough, it will take the electricity from the grid to charge at the minimum power rate.



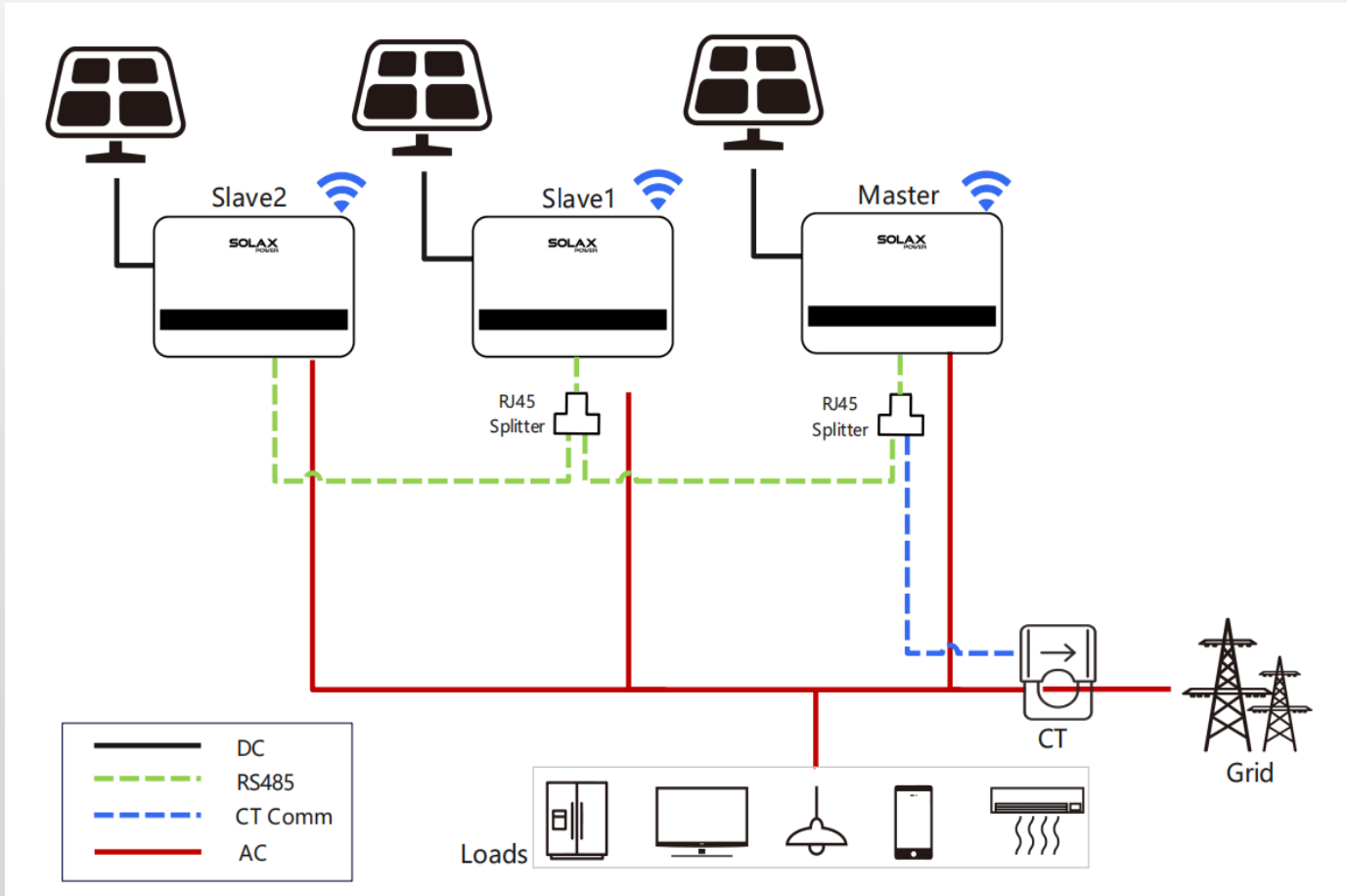
# Heat Pump



X1-BOOST G4 with SolaX Adapter Box can do intelligent load control like SG Ready heat-pump.

	ITEM	Qty
1	X1-BOOST/MINI G4	1
2	Adapter Box	1
3	SolaX Meter/CT	1
4	RJ45 Splitter	1
5	Optional monitoring: WiFi/LAN/4G	1

# Parallel with Export Control

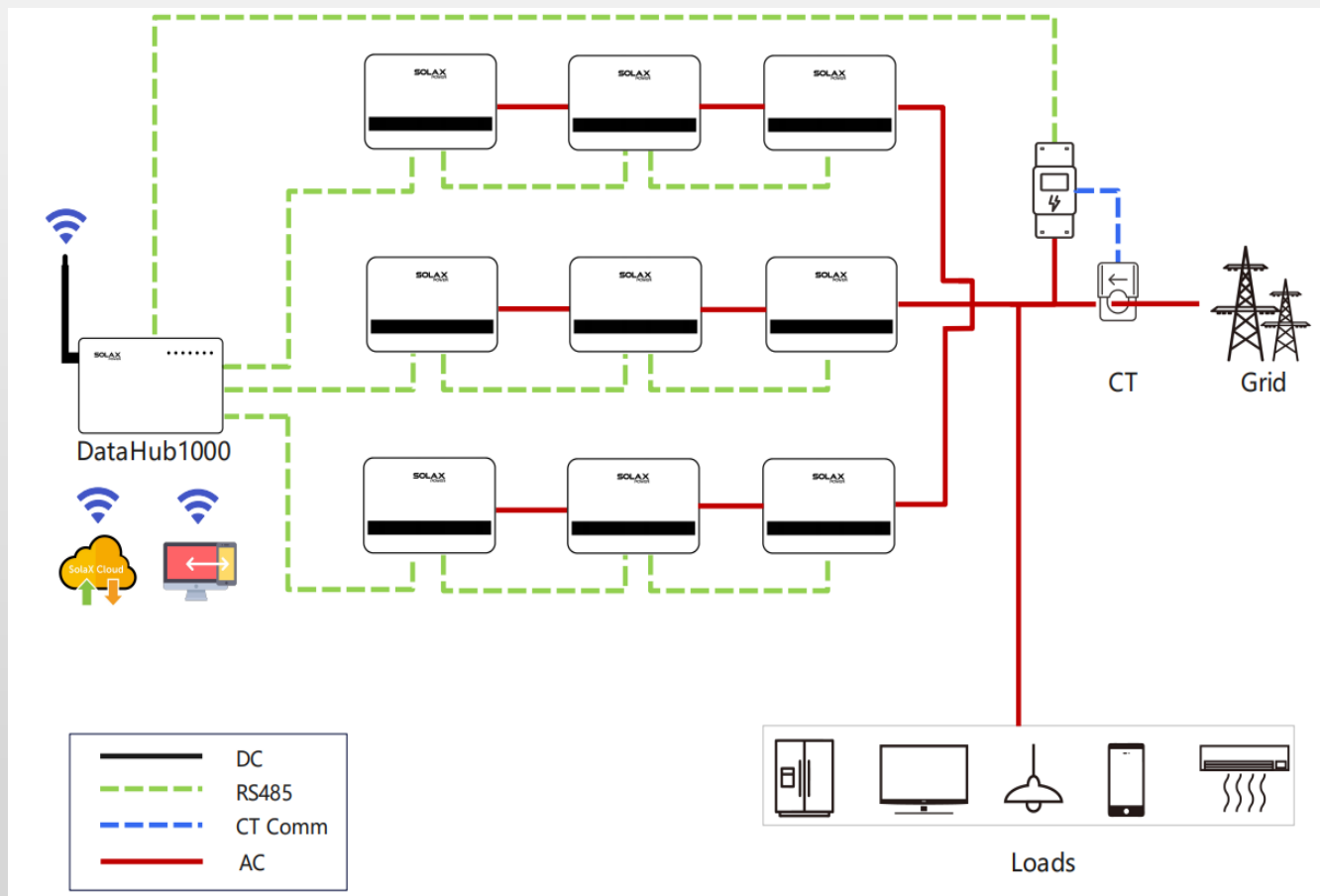


- Up to 5 inverters in parallel (Max. 30kW)
- One inverter shall be set as Master, which has CT connected.
- The other inverters will be slave.
- Each inverter connected to each other via RS485

	ITEM	Qty
1	X1-BOOST G4	2~5
2	SolaX Meter or CT	1
3	RJ45 Splitter	1~4
4	Optional monitoring: WiFi/LAN/4G	2~5






# Parallel Connection with DataHub



- Up to 60 inverters(20 x 3) in parallel (with 1 x DataHub1000 as master)
- All inverters will be slave.
- Each inverter connected to each other via RS485

	ITEM	Qty
1	X1-BOOST G4	1-60
2	DataHub1000	1
3	SolaX Meter with CT	1
4	RJ45 Splitter	Yes
5	Optional monitoring: WiFi/LAN/4G	NOT Required

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	 <p>X1 Boost G3</p>	 <p>X1 BOOST G4</p>		 <p>X3 PRO G2</p>
	 <p>X1 Smart</p>			
Accessories	 <p>Chint DDSU/DTS U 666-CT</p>	 <p>Pocke t</p>	 <p>Datahub 1000</p>	
Software	 <p>SolaX Cloud</p>		<p>SolaX Design</p>	

# Product Overview

## X3-Mic/Pro G2



**X3-MIC G2**

**3-15kW**

**X3-PRO G2**

**8-30kW**

Low Start Voltage

110% Overload

SPD protection

200% Oversizing

IP 66 Rated

Max. PV input current 16A

Remote Monitoring

Intelligent load  
management-heat pump



**Solax X3-MIC-5/6/8K-G2**



**SUN2000-5/6/8KTL-M1**

200%	Oversizing	150%
150V	Start up voltage [V]	200V
16	Max. input current[A]	11
20	Isc per MPPT[A]	15
120~980	MPP tracker voltage range [V]	140~980
IP66	Ingress protection	IP65
Type II ( next version)	SPD AC/DC	<b>Type II</b>
Optional	AFCI	N/A
15.5	Weight (Kg)	17
342*434*144.5	Dimensions (W*H*D) [mm]	525*470*146.5
YES	LCD Screen	NO
Optional	10s level interval of data update	NO



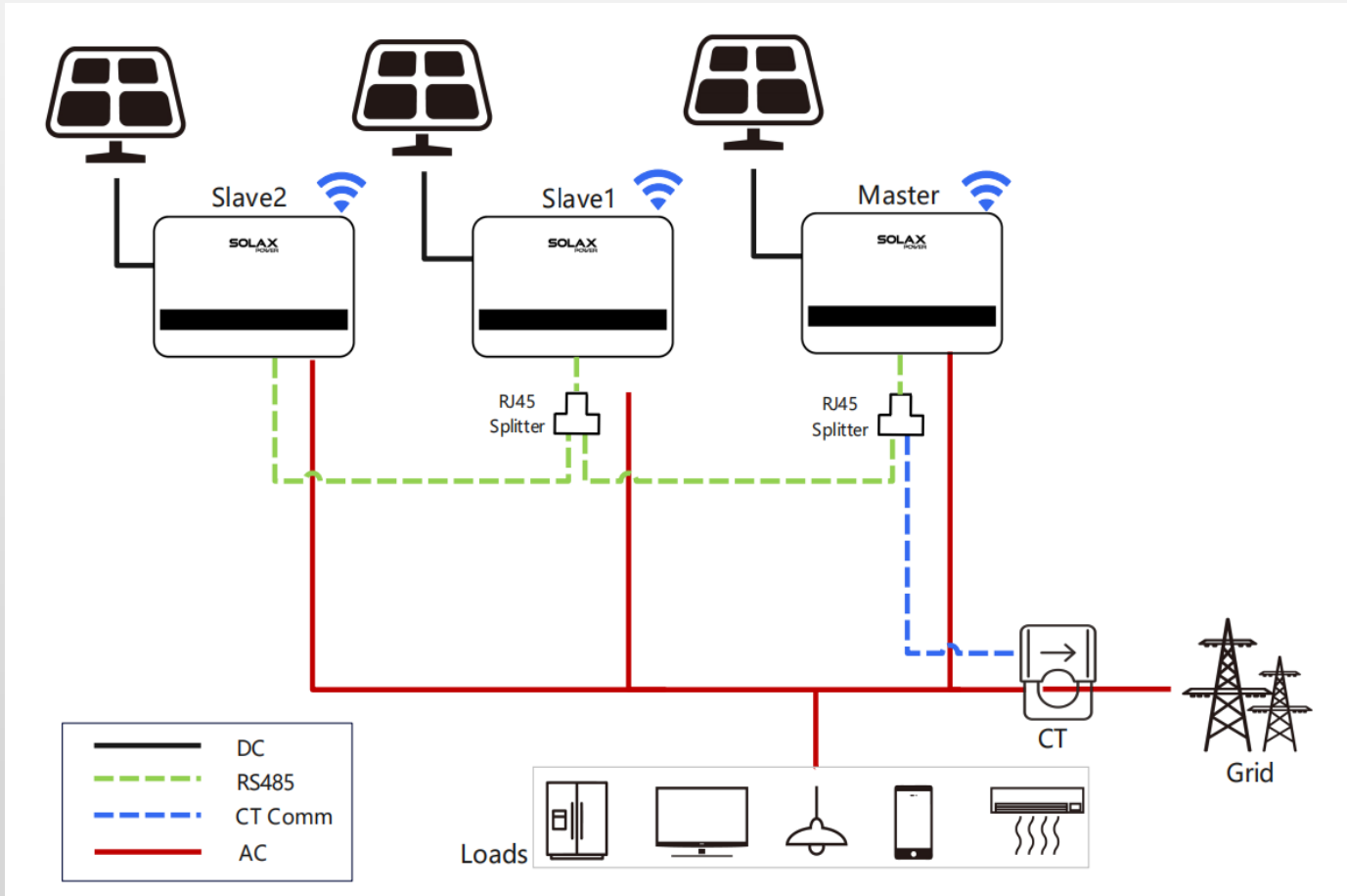
**Solax X3-PRO-12/15/17/20K G2**



**SUN2000-12/15/17/20KTL-M2**

200%	Oversizing	150%
200V	Start up voltage [V]	<b>200V</b>
32	Max. input current[A]	22
40	Isc per MPPT[A]	30
160~980	MPP tracker voltage range [V]	160-950
IP66	Ingress protection	IP65
Type	SPD AC/DC	<b>Type II</b>
Optional	AFCI	N/A
482x 417x 181	Dimensions (W*H*D) [mm]	525 x 470 x 262
YES	LCD Screen	<b>NO</b>
Optional	10s level interval of data update	<b>NO</b>

# Parallel with Export Control



- Up to 5 inverters in parallel
- One inverter shall be set as Master, which has CT connected.
- The other inverters will be slave.
- Each inverter connected to each other via RS485

	ITEM	Qty
1	X3-Pro G2	2~5
2	SolaX Meter or CT	1
3	RJ45 Splitter	1~4
4	Optional monitoring: WiFi/LAN/4G	2~5

# On-grid Inverter Portfolio

Residential		Commercial & Utility		
Product Range	Single Phase	Three Phase		
On-grid Inverters	 <p>X1 Mini G3</p>	 <p>X1 MINI G4</p>	 <p>X3 MEGA G2</p>	
	 <p>X1 Boost G3</p>	 <p>X1 BOOST G4</p>		 <p>X3 MIC G2</p>
	 <p>X1 Smart</p>	 <p>X3 PRO G2</p>		 <p>X3 FORTH</p>
Accessories	 <p>Chint DDSU/DTS U 666-CT</p>	 <p>Pocket</p>	 <p>Datahub 1000</p>	
Software	 <p>SolaX Cloud</p>		 <p>SolaX Design</p>	

# Product Overview

## X3-Mega/Forth



**X3-MGA G2**

40/50/60kW



**X3-FTH**

80-150kW

150% Oversizing

110% Overload

AFCI protection

AC temperature  
detection(FTH ponly)

Fuse free design

Smart I-V Curve Diagnosis

Remote Monitoring

Power line communication



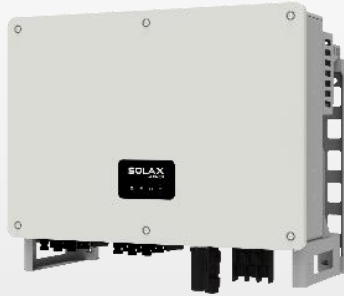


**Mega 50K G2**



**SUN2000-50KTL-M3**

150%	Oversizing	Not found
5	MPPT Number	4
32	Max. input current [A]	30
46	Isc per MPPT[A]	40
180~1000	MPP tracker voltage range [V]	200~1000
IP66	Ingress protection	IP66
Type II (Type I + II optional)	SPD AC/DC	Type II
Optional	AFCI	NO
45.5	Weight (Kg)	49
630×521×286	Dimensions (W*H*D) [mm]	640×530×270
Optional	LCD Screen	NO
Optional	10s level interval of data update	NO



**Mega 60K G2**



**SUN2000 60KTL-M0**

150%	Oversizing	No found
6	MPPT number	6
32	Max. input current [A]	22
46	Isc per MPPT[A]	30
180-1000	MPP tracker voltage range [V]	200-1000
IP66	Ingress protection	IP65
Type II <b>(Type I + II optional)</b>	SPD AC/DC	<b>Type II</b>
Optional	AFCI	NO
<b>45.5</b>	Weight (Kg)	74
630x521x286	Dimensions (W*H*D) [mm]	1,075 x 555 x 300
Optional	LCD Screen	NO
Optional	10s level interval of data update	NO



**Solax X3-FTH-100K**



**SUN2000-100KTL-M1**

150%	Oversizing	No found
9	MPPT	10
32	Max. input current [A]	26
46	Isc per MPPT[A]	40
180-1000	MPP tracker voltage range [V]	200-1000
IP66	Ingress protection	IP66
Type II <b>(Type I + II optional)</b>	SPD AC/DC	<b>Type II</b>
Optional	AFCI	YES
<b>83</b>	Weight (Kg)	90
<b>985×660×327.5</b>	Dimensions (W*H*D) [mm]	1035×700×365
Optional	LCD Screen	NO
Optional	10s level interval of data update	NO



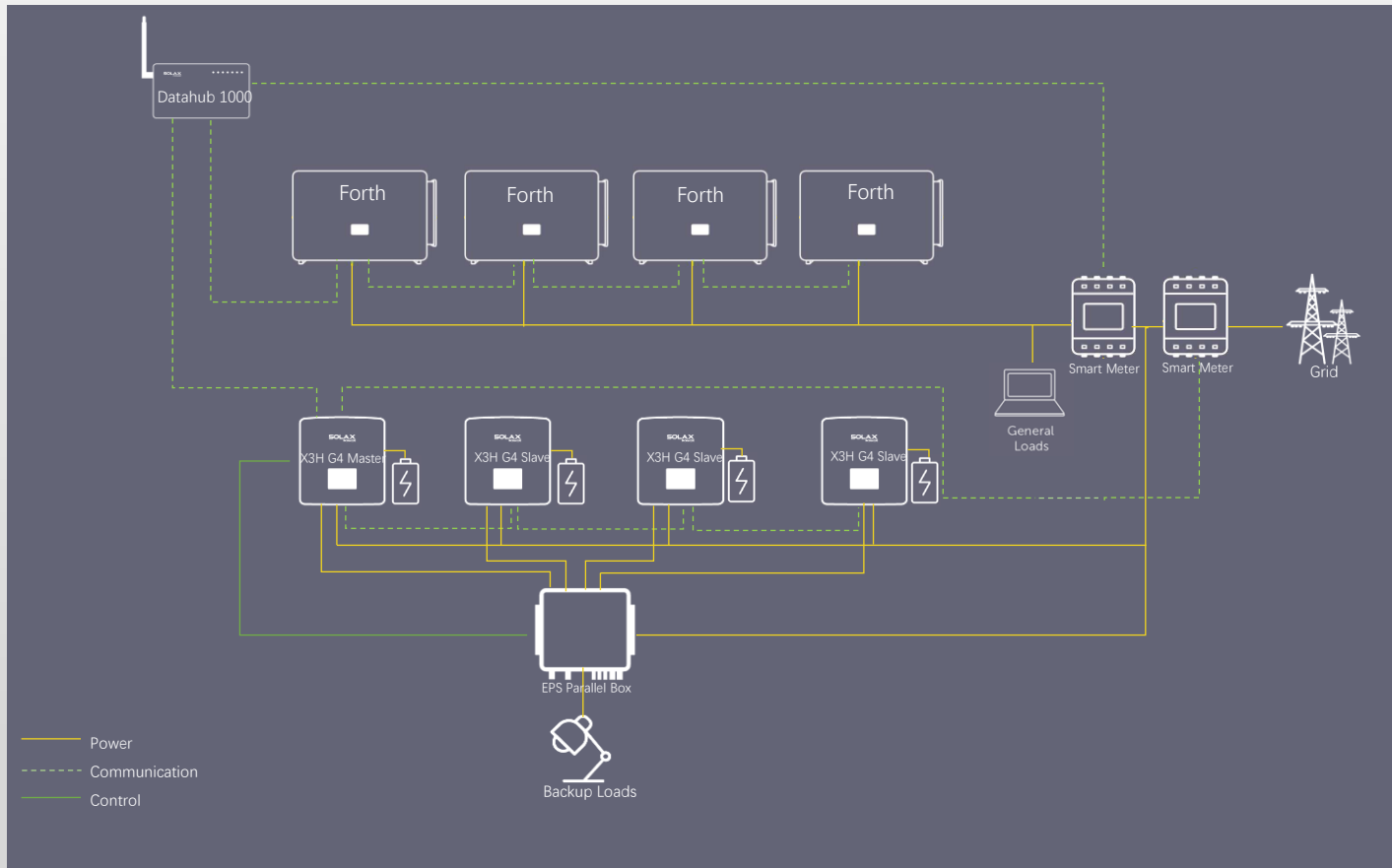
**Solax X3-FTH-120/125K**



**SUN2000-115KTL-M2**

150%	Oversizing	No found
<b>12</b>	MPPT	10
32	Max. input current [A]	30
46	Isc per MPPT[A]	40
180-1000	MPP tracker voltage range [V]	200-1000
IP66	Ingress protection	IP66
<b>Type II (Type I + II optional)</b>	SPD AC/DC	<b>Type II</b>
Optional	AFCI	NO
98.6	Weight (Kg)	93
985×660×327.5	Dimensions (W*H*D) [mm]	1035×700×365
Optional	LCD Screen	NO
Optional	10s level interval of data update	NO

# Unique Solution— On-grid inverter and hybrid inverters



- Support up to 40 on-grid inverters(X3 Forth/Mega/Mic) and 10 Hybrid inverters(X3-G4) in this system.
- The surplus PV from FTH inverters can charge the batteries.
- The loads will use the energy from Forth in priority to avoid unnecessary discharging

# Unique Solution— On-grid inverter and hybrid inverters



## Toyota Dealer

150kW+46.4kWh

Pro-30k \* 4

Hybrid 15k\*2 + T58\*8



## Food Manufacturer

590kW+278.4kWh

Forth-100k \* 5

Hybrid 15k\*6 + T58\*48



## Summary

- Power rate start with 0.6kW
- Take advantage on the electrical performance, higher oversizing, higher input current
- Rich protection: AFCI, Type I+II SPD
- Ingress protection: IP66
- Smaller in dimensions and lighter in weight
- Support LCD screen for easy setup
- 10s level interval of data update
  
- Parallel connection in Master/Slave Mode
- Support EVC/heat pump
- Support Hybrid and On-grid solution