Cellcronic introduce new generation microinverter

CELLCRONIC

Clean Power For You

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Microinverter Series Album

Choose Cellcronic — Choose a Green and Healthy Life

CELLCRONIC

Complete Manufacturing System

World-Class Components Suppliers

Cellcronic chooses world class supplier to ensure the high quality of its product

MCU

MICROCHIP

MOS

ALPHA & OMEGA SEMICONDUCTOR

IGBT

FAIRCHILD SEMICONDUCTOR®

Diode

CREE™

Optocoupler

FAIRCHILD SEMICONDUCTOR®

SHARP

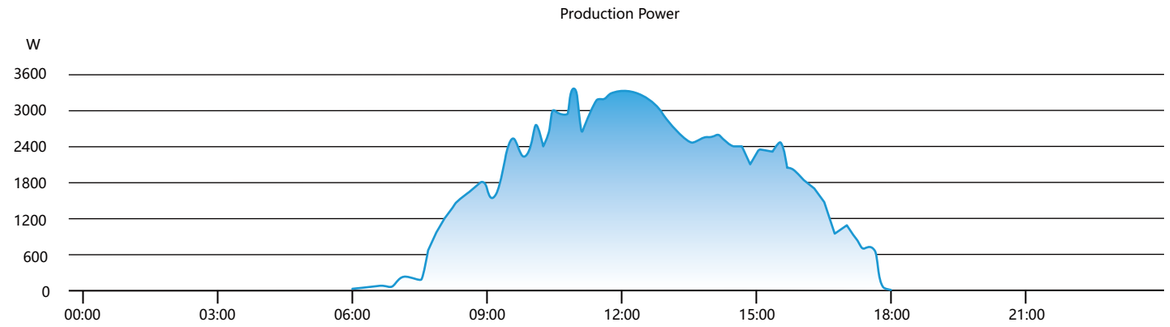
Capacitor

EPCOS

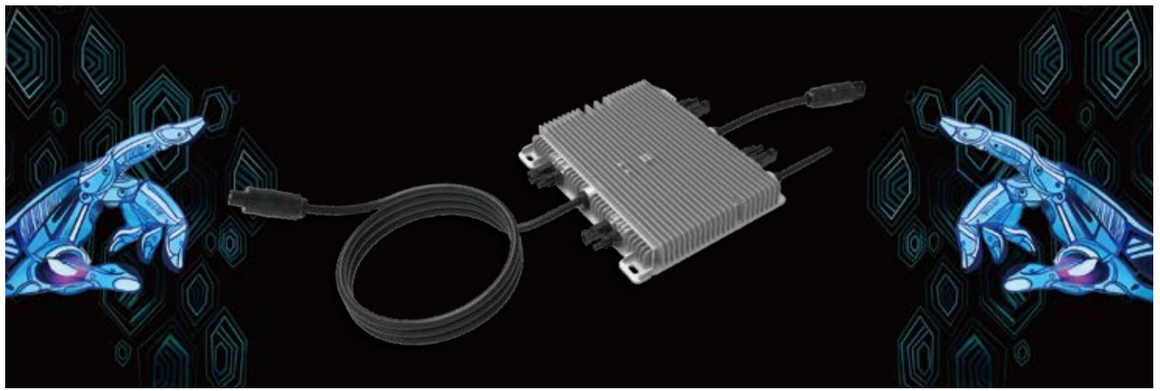
Main Highlights

Cellcronic microinverter 600 ~ 2000W

- Module level monitoring, Max. 4 MPPTs design
- Max. DC input current 12.5A, adapt to 600W PV module
- Rapid shutdown function, safe and reliable
- PLC, Zigbee or WIFI communication
- IP67 protection degree



Physical Layout



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Microinverter

SUN600G2-230EU

- Rapid shutdown function
- PLC, Zigbee or WIFI communication
- IP67 protection degree, 12 years warranty
- 2 MPP trackers, module level monitoring

Microinverter

SUN600G2-230EU

INPUT DATA (DC)	SUN600G2-230EU
RECOMMENDED INPUT POWER STC	210~400W
MAXIMUM INPUT DC VOLTAGE	60V
MPPT Voltage Range	25~55V
Operating DC Voltage Range	20~70V
Max. DC Short Circuit Current	10.4A X 2
Output Data (AC)	
Peak Output Power	600W
Maximum Output Power	600W
Maximum Output Current	2.88A / 2.5A
Nominal Voltage / Range	230V / 184~265V
Nominal Frequency / Range	50Hz / 47.5~51.5Hz
Extended Frequency / Range	50Hz / 45~55Hz
Power Factor	>.99
Maximum Units Per Branch	8
Efficiency	
CEC Weighted Efficiency	95%
Peak Inverter Efficiency	96.5%
Static MPPT Efficiency	99%
Night Time Power Consumption	50mW
Mechanical Data	
Ambient temperature range	-40~+65 ºC
Dimensions (W X H X D)	185 X 161 X 29 mm (Without mounting Bracket and cable)
Weight Kg	2.4Kg
Cooling	Natural Convection- No Fans
Enclosure Environmental Rating	IP67
Features	
Compatibility	Compatible with 60~72 cell PV modules
Communication	Power line / WIFI / Zigbee
Compliance	UL1741, VDE0126, VDE$105, IEC62109, CE, INMETRO
Warranty	12 years

CELLCRONIC

Microinverter

SUN1300G-230-EU

Rapid shutdown function

PLC, Zigbee or WIFI communication

IP67 protection degree,
12 years warranty

4 MPP trackers, module level monitoring

Microinverter

SUN1300G-230-EU

INPUT DATA (DC)	SUN1300GG-230EU
RECOMMENDED INPUT POWER STC	210~400W
MAXIMUM INPUT DC VOLTAGE	60V
MPPT Voltage Range	25~55V
Operating DC Voltage Range	20~70V
Max. DC Short Circuit Current	13A
Output Data (AC)	
Peak Output Power	1300W
Maximum Output Power	1300W
Maximum Output Current	4.34A
Nominal Voltage / Range	230V / 184~265V
Nominal Frequency / Range	50Hz / 47.5~51.5Hz
Extended Frequency / Range	50Hz / 45~55Hz
Power Factor	>.99
Maximum Units Per Branch	4
Efficiency	
CEC Weighted Efficiency	95%
Peak Inverter Efficiency	96.5%
Static MPPT Efficiency	99%
Night Time Power Consumption	50mW
Mechanical Data	
Ambient temperature range	-40~65 ºC
Dimensions (W X H X D)	185 X 161 X 29 mm (Without mounting Bracket and cable)
Weight Kg	6.3Kg
Cooling	Natural Convection- No Fans
Enclosure Environmental Rating	IP67
Features	
Compatibility	Compatible with 60~72 cell PV modules
Communication	Power line / WIFI / Zigbee
Compliance	UL1741, VDE0126, VDE$105, IEC62109, CE, INMETRO
Warranty	12 years

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Microinverter

SUN1600G3-EU-230
SUN2000G3-EU-230

- Rapid shutdown function
- PLC, Zigbee or WIFI communication
- IP67 protection degree, 12 years warranty
- 4 MPP trackers, module level monitoring
- 12.5 Max. DC input current of 12.5A, adapt to 600W PV module

Microinverter

SUN1600G3-EU-230
SUN2000G3-EU-230

INPUT DATA (DC)	SUN1600G3-EU-230	SUN2000G3-EU-230
RECOMMENDED INPUT POWER STC	210~600W	
MAXIMUM INPUT DC VOLTAGE	60V	
MPPT Voltage Range	25~55V	
Operating DC Voltage Range	20~70V	
Max. DC Short Circuit Current	16A	
Max. input Current	12.5 X 4	
Output Data (AC)		
Peak Output Power	1600W	2000W
Maximum Output Power	1600W	2000W
Maximum Output Current	6.95A	8.69A
Nominal Voltage / Range	230V / 184~265V	
Nominal Frequency / Range	50Hz / 47.5~51.5Hz	
Extended Frequency / Range	50Hz / 45~55Hz	
Power Factor	> .99	
Maximum Units Per Branch	4	3
Efficiency		
CEC Weighted Efficiency	95%	
Peak Inverter Efficiency	96.5%	
Static MPPT Efficiency	99%	
Night Time Power Consumption	50mW	
Mechanical Data		
Ambient temperature range	-40~+65 ºC	
Dimensions (W X H X D)	185 X 161 X 29 mm (Without mounting Bracket and cable)	
Weight Kg	5.2Kg	
Cooling	Natural Convection- No Fans	
Enclosure Environmental Rating	IP67	
Features		
Compatibility	Compatible with 60~72 cell PV modules	
Communication	Power line / WIFI / Zigbee	
Compliance	UL1741, VDE0126, VDE$105, IEC62109, CE, INMETRO	
Warranty	12 years	

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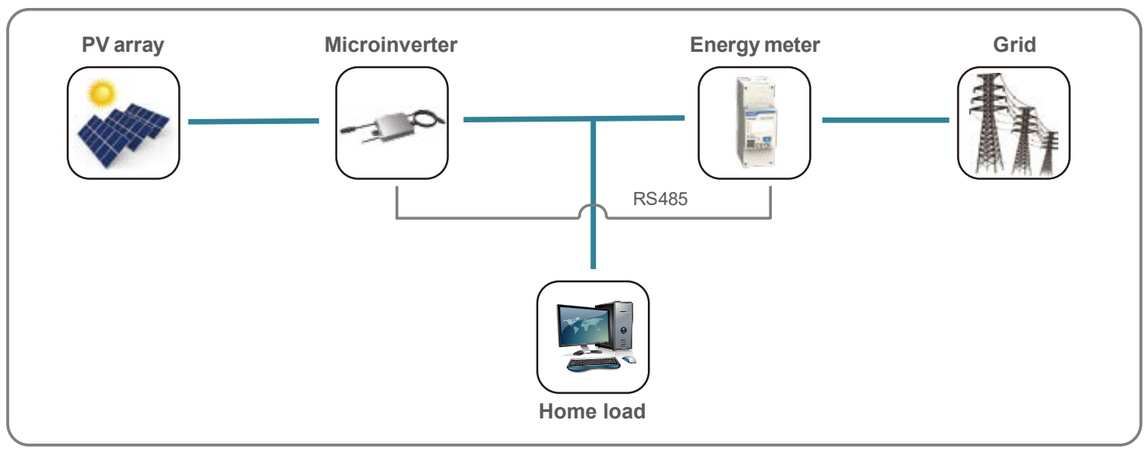
Energy Meter

Model	DDSU666	DTSU666
Max. direct current measurement (A)	60	80
Direct Voltage measurement between phases	/	176-458V
Direct measurement between phase and neutral	176-264V	100-265V
Accuracy Class		
Active power	Class 1	Class 1
Reactive power	Class 2	Classs 2
Power Supply		
Power consumption	⩽1W / 8VA	⩽1.5W / 6VA
AC power supply input voltage	176-264V	100-265V
AC power supply input frequency	50 / 60Hz	50 / 60Hz
Generation Specifications		
Dimenstions (L/H/W) in mm	36×85×66	100×72×66
Weight (kg)	0.21	0.44
Mounting options	DIN Rail	DIN Rail
Degree of protection	IP51	IP51
Display	LCD	LCD
Communication interface	RS485	RS485
Max. number of devices to connect	1	1
Regulated working temperature range	-25℃~+55℃	-10℃~+45℃
Limited working temperature range	-40℃~+70℃	-25℃~+75℃
Humidity	⩽75%	⩽75%
Warranty	1.5 years	1.5 years

Zero-export Application Diagram



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MECD

The MECD communications gateway collects and delivers modular performance data in real time, for comprehensive monitor and manage of your solar system, optimizing the performance of your solar system. With built-in quick shutdown application, the MECD is able to control the microinverter connected shutdown immediately when the dry contact is activated.

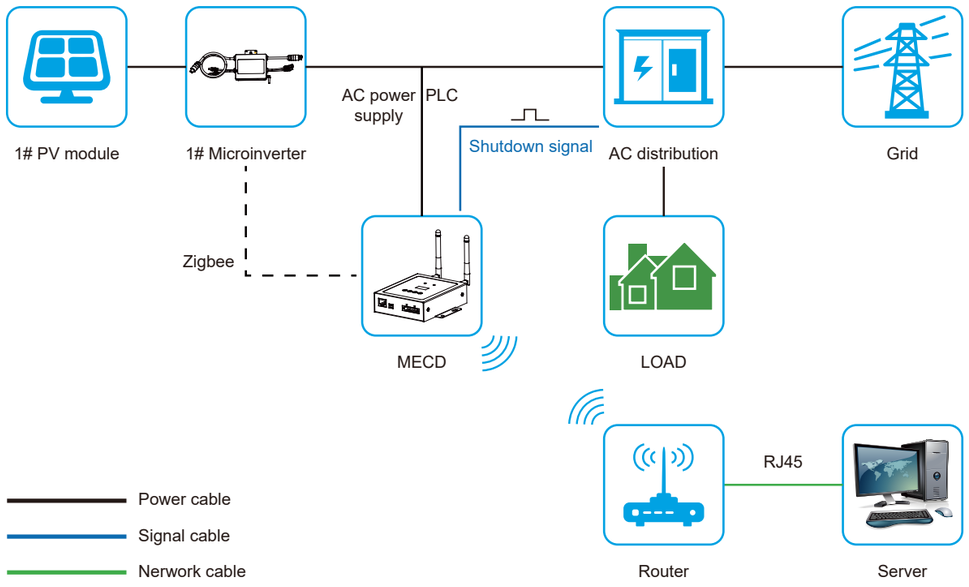
Model	MECD
Communication interface	
Communication method	Zigbee, PLC
Max. number of inverters connected	5、10、20、32 (Max.)
Communication to router	WIFI
WIFI wireless security	WEP, WPA2-PSK
RS485	Reserved
Max. distance (free space)	PLC 300m; Zigbee 100m (Max. straight-line distance)
Power Supply	
AC Power Supply	100 to 240V AC, 50/60Hz
Power consumption	5W typical, 10W Maxinum
Mechanical Data	
Dimenstions (L/H/W) in mm	133.6×132×35.5 mm
Weight (kg)	0.3
Operation temperature range	-20~+50℃
Mounting method	Wall-mounted
Display	OLED and LED indicators
Features	
Grid type	Single phase / three phase
Digital Input	Control device connection
Other	
Compliance	IEC60950, IEC61000-6-2, FCC Part15 Class B / Class C
Warranty	3 years

- Built-in Zigbee, PLC and WIFI modular.
- Suitable for single-phase and three-phase applications.
- Enables remotely monitoring and management.

- OLED display and buttons, easy operation.
- Compact design and light in weight.

- Support quick shutdown remotely.
- Robust design, 3 years warranty.

Typical Application



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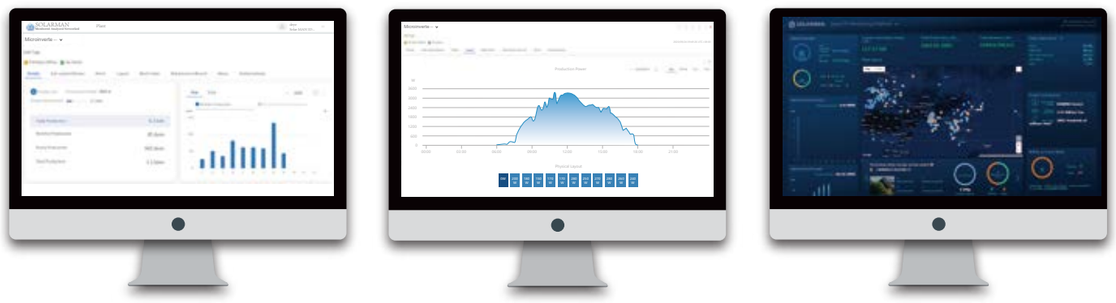
Smart PV Management Platform



for distributor account

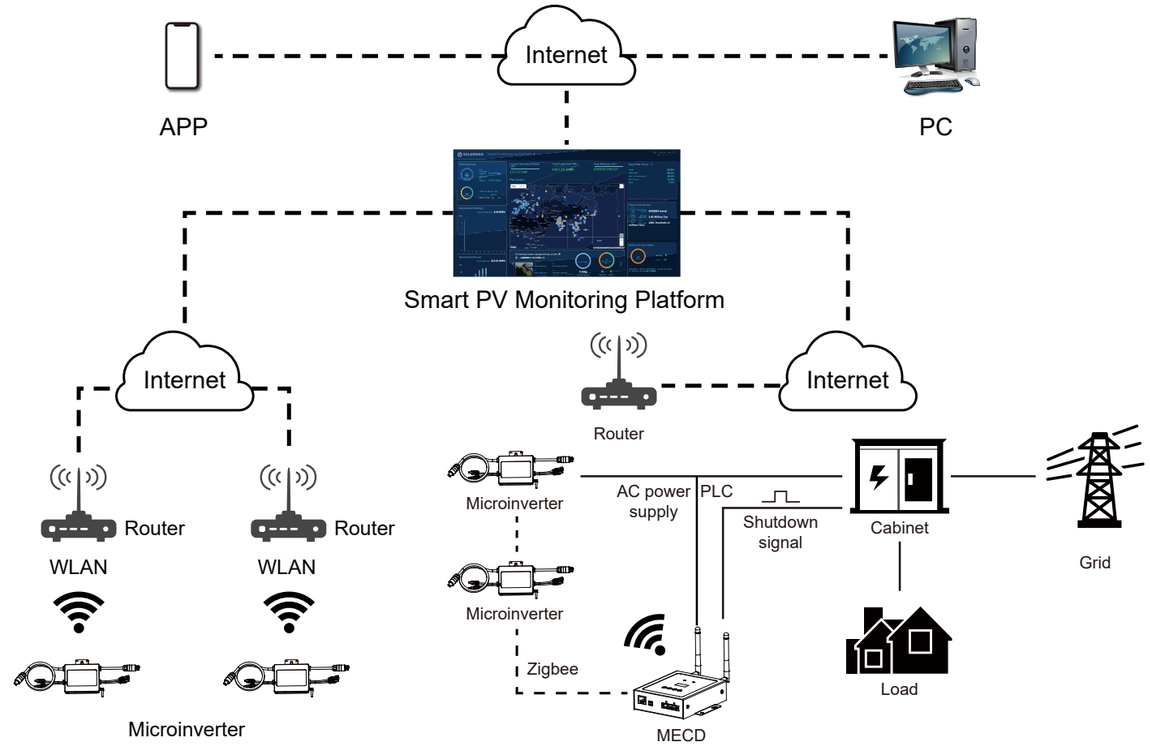
for end user account

Efficiency

- Open station supports one-click installation and registration;
- Problem support one-click dispatch and navigation.

Safe

- Safe operation, traceable logs, etc;
- Support full lifecycle data storage to ensure data security and reliability.



Cellcronic residential monotoring solution take great care to ensure that your PV system is an excellent operation its entire life-cycle. This monitoring solution offer you detail information of your power generating plant including Today energy, Monthly energy, Yearly energy, Total energy etc, through wireless communication with your router to the internet by an smart wifi plug. User can easily access to the monitoring page via PC Web or phone App.

Maximum your energy output while minimizing your cost. Scan the QR code to built your power station !

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