

SANUPS

New Product Information

Grid Tie Photovoltaic Inverter - 3kW and 5kW P61A Serie

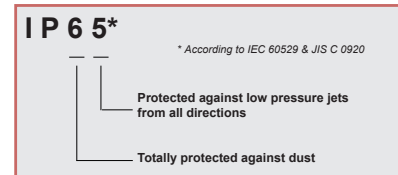
SANYO DENKI EUROPE SA. is pleased to introduce its «SANUPS P61A» photovoltaic inverter, grid-tie type. Effective and reliable, it has also a high efficiency of 96%. Available in both versions 3kW and 5kW, it suits to small and middle installations complying with the requirements of the European, East and South-East Asian and Oceanian markets. From now on, thanks to this new inverter, our line-up covers powers from 3 to 100kW. With over 40 years of experience in UPS design and production, SANYO DENKI ensures the superior quality of SANUPS P61A photovoltaic inverter.



Input voltage	Output voltage	Rated power	Operating temperature
120Vdc to 500Vdc	230Vac	3kW, 5kW	-25 to 60°C

Main features

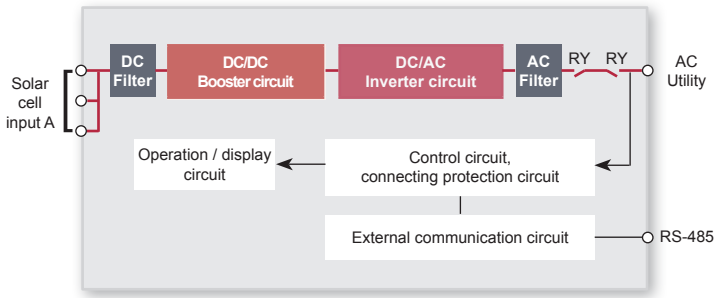
- 1 96% efficiency**
 For maximum energy conversion.
- 2 Waterproof design - IP65 protected**
 A good protection against dust and water allows outdoor installation.
- 3 Quiet operation**
 Fan less cooling system to guarantee quiet operation.
- 4 5 years warranty and 20 years minimum life expectancy (with preventive maintenance)**
 It allows utility company contract full duration warranty.



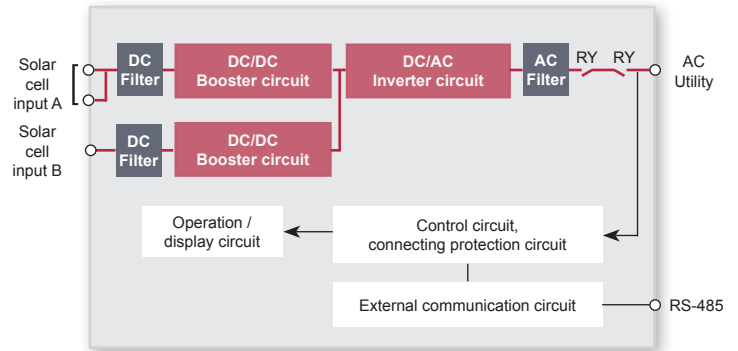
Technical specifications

Item unit	P61A302	P61A502	
AC rated power	3000W	5000W	
Technology / Isolation	High frequency PWM / without transformer		
DC input	Rated voltage	360VDC	
	MPPT range	150 to 450VDC	
	Maximum input voltage	500VDC	
	MPPT Trackers	1	2
	Working range	120 to 500VDC	
	Max. input current	22A	17,65A (each MPPT)
AC output	Rated output voltage	230VAC	
	Electrical system output	1-phase / 2 wires	
	Frequency	50/60 Hz Auto-selection	
	Power factor	> 0.99 (AC rated current)	
	Current distortion	< 5%	
Efficiency	Max.	> 96%	
	Euro	> 94%	
Environment	Operating temperature	-25 / +60°C	
	Humidity	0 to 90% (without condensation)	
	Altitude	2000m or less	
	Protection	Class IP65, outdoor use	
	Cooling	Free convection (without fan)	
	AC output connector	Terminal	
	DC input connector	MC4	
Communication	RS485 (up to 27 units), PV Monitor (in option)		
LCD	Mimic, Measure, Status, Error message		
Protection	Utility	Over/under voltage, over/under frequency	
	Islanding connection	Passive, Active	
	Over temperature	Reduced output power (> 40°C)	
Conformity	CE Declaration, «Golden Sun» Certification		
	Safety	VDE0126-1-1, EN50178, IEC60146-1	
	EMC	EN61000-6-1, EN61000-6-3, EN61000-3-3	

Circuit block diagram



3 kW Model: P61A302



5 kW Model: P61A502

Options

Data collection and measuring system

SANUPS PV Monitor allows you to easily monitor power generation status in remote area via network.

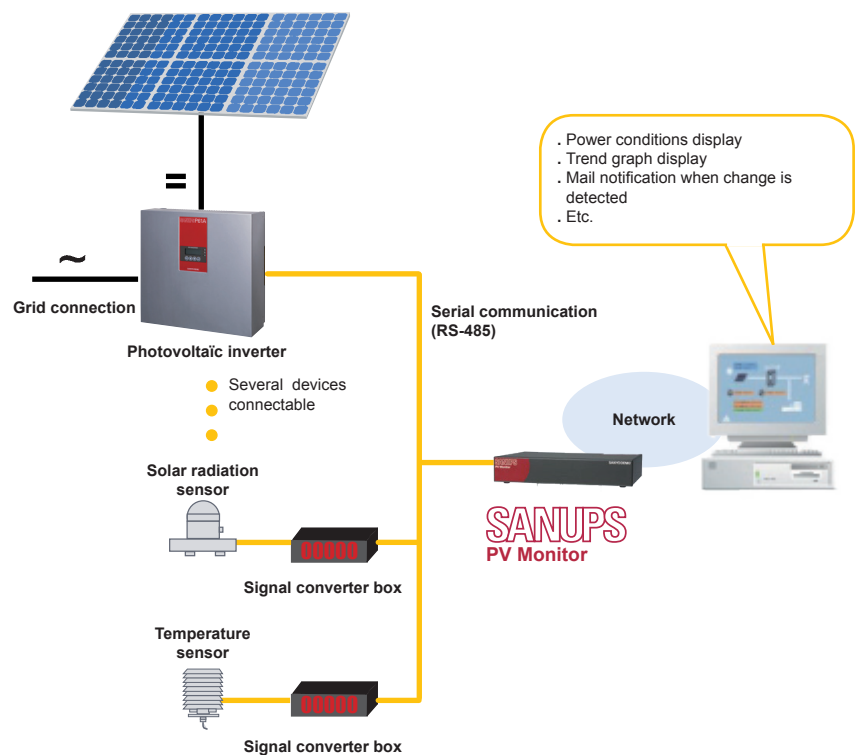
Max. 27 connected devices can be measured / monitored.

DC junction box

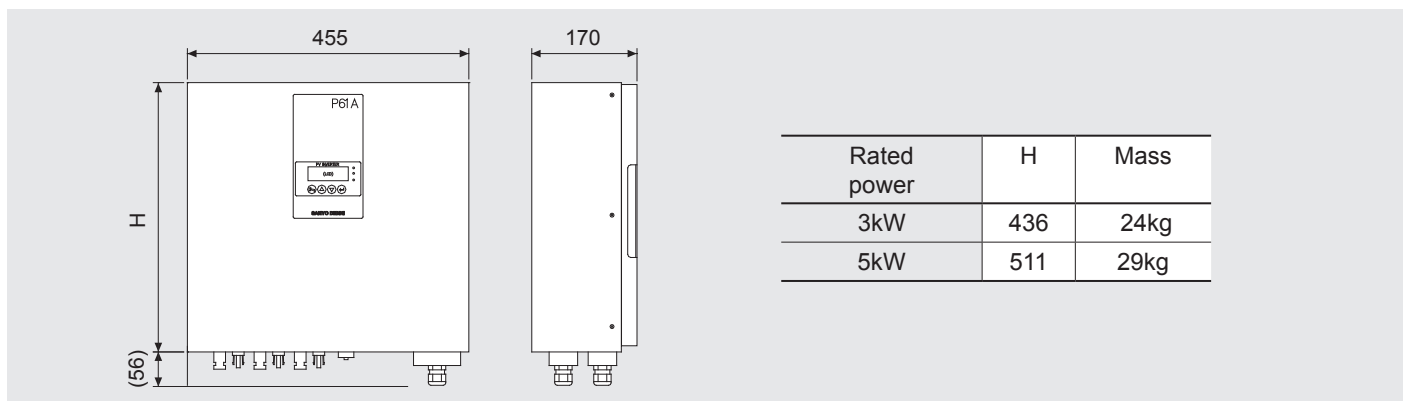
String combiner box plays a role to collect DC outputs from solar cells to PV inverter.

Temperature sensor and signal converter box

Solar radiation sensor and signal converter box



Dimensions (unit: mm)



For further information on Sanyo Denki «SANUPS P61A» photovoltaic inverter, please contact us at +33 1 48 63 26 61 or email us at info@sanyodenki.eu.

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