

PV INVERTER

P83D



SANYO DENKI

High Efficiency PV INVERTER



Grid-connected Type With transformer

Input operating voltage range	Output voltage	Rated output	Output electrical system			
DC 430 V to 900 V	AC 380/400/415 V	250 kW	3-phase 3-wire			
Maximum Efficiency of 97%						





Specifications

Itom	Madal	P02D254	Romarka
Retri Woder		250 W	hemans
System	Main aircuit tuna	200 KW	
	Switching method		
		High frequency PWW	
	Electrical insulation method	Commercial frequency insulation transformer method	
DC input	Maximum allowable input voltage	DC 950 V	
	Input operating voltage range	DC 430 to 900 V	
	Range of rated output voltage	DC 450 to 850 V	
	Maximum power point tracking range	DC 450 to 850 V	
AC output	Output electrical system	3-phase 3-wire system	TN-C grounding
	Rated output voltage (Line)	AC 380 / 400 / 415 V	Specified when ordering
	Voltage range	Rated output voltage \pm 10%	
	Rated frequency	50 / 60Hz	Specified when ordering
	Rated output current	AC 379.8 / 360.8 / 347.8 A	
	AC output current distortion factor	3% Max.	Rated output current ratio
	Output power factor	0.99 Min.	At rated output
Conversion efficiency	MAX Efficiency	97%	
	EU Efficiency	96.2%	
Grid connected protective function		Utility grid over voltage (OV), Utility grid under voltage (UV),	
		Utility grid over frequency (OF), Utility grid under frequency (UF),	
Islanding operation detecting functions	Passive-type device	Voltage phase jump detection	
	Active-type device	Reactive power variation method	
External communications		RS-485	
Environment	Installation place	Reactive power variation method	
	Ambient temperature	- 5 to + 40°C	Option: − 20 to 40°C
	Relative humidity	15 to 85%	Non-condensing
	Altitude	1,000m Max.	
Protection code		IP20	
Standards	Safety	EN 50178, IEC 62103	
	EMC	EN 61000-6-2, EN 61000-6-4	
	CE marking	Yes	



Dimensions (Unit: mm)



Option

Data collection and measuring system

SANUPS PV Monitor

SANUPS PV Monitor allows you to easily monitor power generation status in remote area via network. Max. 27 connected devices can be measured / monitored.

Outdoor enclosure

It is necessary when setting the PV inverter in outdoor.

Junction devices

This device plays a role to collect DC outputs from solar cells and outputs to PV inverter.

- Thermocouple
- Pyranometer
- Thermocouple signal converter
- Pyranometer signal converter



Notes when investigating use of this product in your applications

- •Before starting installation, assembling and use, read the "Operation Manual" carefully and use the product correctly in your applications.
- •The product or system on this catalog is for general and industrial use. This product or system is not supposed to be applied to where exceptionally high quality and reliability is required, and its failure or improper operation may possibly result in fatal or serious injury. In this case, please call us for further assistance.
- For the applications that undergo vibration, please consult with our company.
- Never modify this product or give additional processing to this product.
 For the installation andmaintenance work, please consult with our
- company or with specialized company.

*For any inquiry or consultation, please contact our sales representative.

	http://www.sanyodenki.com
SANYO DENKI CO., LTD. 1-15-1, Kita-Otsuka, Toshima-ku, Tokyo 170-8451, Japan	Phone: +81 3 3917 5157
SANYO DENKI <i>EUROPE SA</i> . P.A. Paris Nord II, 48 Allée des Erables-VILLEPINTE, BP.57286, F-95958 ROISSY CDG Cedex, France	Phone: +33 1 48 63 26 61
SANYO DENKI GERMANY GmbH Frankfurter Strasse 63-69, 65760 Eschborn, Germany	Phone: +49 6196 76113 0
SANYO DENKI <i>KOREA CO., LTD.</i> 9F 5-2, Sunwha-dong Jung-gu Seoul, 100-130, Korea	Phone: +82 2 773 5623
SANYO DENKI <i>SHANGHAI CO., LTD.</i> Rm2107-2109, Bldg A, Far East International Plaza, No.319, Xianxia Rd., Shanghai, 200051, China	Phone: +86 21 6235 1107
SANYO DENKI <i>TAIWAN CO., LTD.</i> Room 1208, 12F, No.96 Chung Shan N, Rd., Sec.2, Taipei 104, Taiwan, R.O.C.	Phone: +886 2 2511 3938
SANYO DENKI (H.K.)CO., LIMITED Room 2305, 23/F, South Tower, Concordia Plaza, 1 Science Museum Rd., TST East, Kowloon, Hong Kong	Phone: +852 2312 6250
SANYO DENKI SINGAPORE PTE. LTD. 10, Hoe Chiang Road, #14-03A/04, Keppel Towers, Singapore 089315	Phone: +65 6223 1071

The names of companies and/or their products specified in this catalog are the trade names, and/or trademarks and/or registered trademarks of such respective companies. *Remarks : Specifications Are SubjectTo Change Without Notice. CATALOG No. P0976B002 '12.9