

# SANUPS P73F

PV Inverter

Input	Output	Output capacity
DC300V	AC380V	10kW to 60kW

Stationary model for dedicated grid-connected

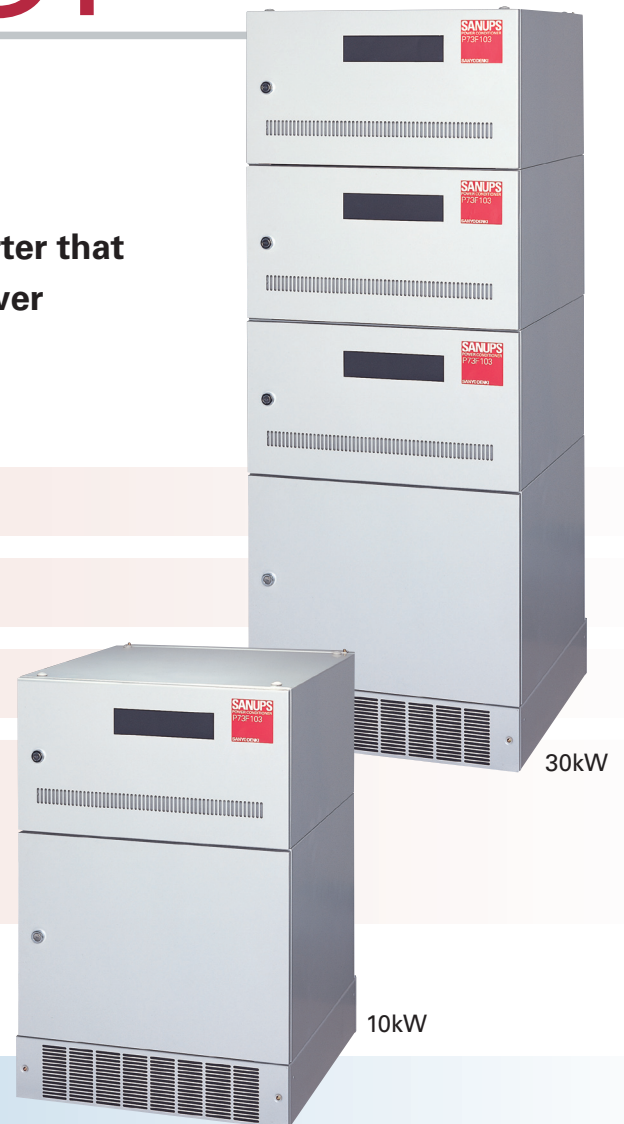
The "SANUPS P73F" is a Photovoltaic(PV) Inverter that converts DC power into highly versatile AC power which generated from solar energy.

Conversion Efficiency 93%

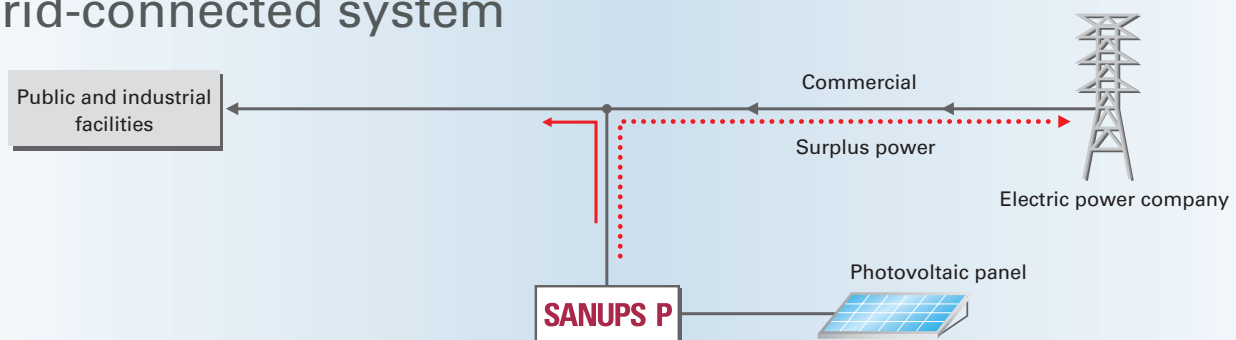
Small and lightweight.

Installable with small investments.

Per accumulating 10kW's units of rated output,capacity will be able to expand up to 60kW.



## Grid-connected system



This system links the power from the photovoltaic power panel with the electric power system provided by the electric power company. Load power is supplied from the Photovoltaic(PV) Inverter. Additional power will be supplied from the commercial power source. Also per consultation with the electric power company, if the amount of photovoltaic power exceeds the usage, it will be sell those excess power to the electric power company.

## Specifications

Item	Model	P73F103	Remarks
Rated output		10kW	
System	Main circuit type	Self commutation voltage type	
	Switching method	High frequency PWM	
	Electrical insulation method	Without insulation transformer	Transformerless type
DC Input	Maximum allowable input voltage	DC500V	
	Input operating voltage range	DC200 to 500V	Rated output range 280V to 450V
	Maximum power point tracking range	DC200 to 450V	
AC Output	Output electrical system	3-phase 4-wire system	Neutral grounding
	Rated output voltage	AC 380V (line)	AC220V (phase)
	Rated frequency	50Hz / 60Hz	
	Rated output current	AC15.2A	
	AC output current distortion factor	Total current: 5% or less Each number of harmonic: 3% or less	Rated output current ratio
	Output power factor	0.99	Rated output
Conversion Efficiency		93%	
League system protection		Utility grid over voltage (OVR), Utility grid under voltage (UVR), Utility grid over frequency (OFR), Utility grid under frequency (UFR)	OVRG installed externally (normally closed contact input)
Islanding detection	Passive-type device	Voltage phase jump detection	
	Active-type device	Reactive power variation method	
External communications		RS485	
Environment	Ambient temperature	-10 to 50°C	When ambient temperatures are above +40°C, the output power is limited.
	Relative humidity	30 to 90% (non-condensing)	
	Altitude	Below 2000 m	
Paint color		Munsell 5Y7/1 (semi-gloss)	
Noise		Below 50 dB	A property (Equipment front-side)
Nominal heat dissipation		750W	
Installation place		Indoor (not subject to noise regulations)	

## External dimensions and mass

Item	Unit							
	Output	kW	10	20	30	40	50	60
Dimensions	Width	mm	600			1200		
	Depth		600					
	Height		825	1125	1425	1125	1425	
Mass	kg	95	155	215	310	390	430	

