OFF-GRID SNV-GFW SERIES | Wallmount
0.5KVA - 2KVA

ICA Solar GFW series products are on the basis of green energy use and equipment electricity need for remote area, combing the electricity characteristics of household appliances, communication station equipment and computer peripheral equipment. They have the fuction of enery conservation and environment protection. They adopt MCU control techniqute, having various kinds of function such as multi-setting mode, MPPT control, voltage stabilization on line, short-circuit protection, inverter frequency adaptive, output overload, batter charging management, monitoring etc. ICA Solar GFW series products are the ideal power supply delivered with excellent performance, high stability, high reliability and practical applicability.

Features:

Multi-Setting:
- PV priority mode or AC priority mode
- Choose the charging current based on the configured capacity of the battery

High Reliability: Double MCU Digital Control
- Independent MPPT (Maximum Power Point Tracking) control microprocessor system
- Independent inverter microprocessor control system

Isolated and Pure Sine Wave Technology

LCD + LED Display

Wide Input Range

High-Speed Synchronous Conversion

Friendly Alarm System

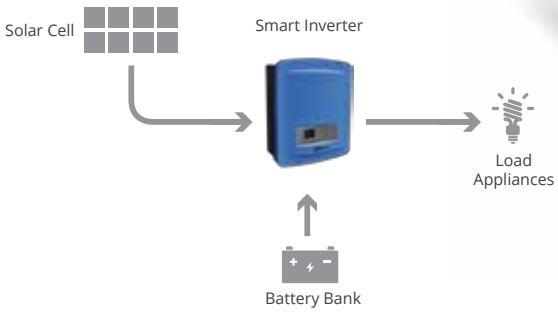
Online Protection Function

Frequency Auto Adaptive

Intelligent No-Load Auto Shutdown Technology (Optional)

Intelligent Monitoring (RS232, USB, OR SNMP CARD, Optional)

How It Works:



ICA solar

SMART **INVERTER**

OFF-GRID SNV-GFW SERIES 0.5KVA - 2 KVA

TECHNICAL SPECIFICATION

MODEL	GFW524	GFW1024 GFW1048	GFW1548	GFW2048
POWER	500W	1000W	1500W	2000W
BATTERY VOLTAGE	24Vdc	24Vdc / 48Vdc	48Vdc	
WORKING MODE	PV/AC Priority			
PV INPUT				
MAX. INPUT VOLTAGE (VOC)	30V (Standard)/ 60V (Optional)	60V (Standard)/ 120V (Optional)	95V (Standard)/ 180V (Optional)	
SUGGESTED VOLTAGE RANGE	15~23Vdc (Standard)/ 15~45Vdc (Optional)	30~23Vdc (Standard)/ 15~45Vdc (Optional)	60~75Vdc (Standard)/ 60~140Vdc (Optional)	
PV CURRENT	≤40A	≤ 60A	≤60A	≤80A
MAX. CHARGE CURRENT	50A			65A
RECOMMENDED PV CONFIGURATION	700W	1400W	2800W	2800W
CONVERSION EFFICIENCY	98%			
DISPLAY				
PANEL INDICATOR	LCD + LED			
AC INPUT				
AC INPUT RANGE (BYPASS MODE)	0~156VAC / 0~312VAC (high-end limit)			
RATED INPUT VOLTAGE	100V / 110V / 115V / 120V / 200V / 220V / 230V / 240 VAC			
RATED INPUT FREQUENCY	50HZ / 60HZ ± 5 HZ (AUTO-SENSE)			
INPUT PF (AC/DC)	≥98%			
MAX. CHARGE CURRENT	1~20A Settable	20A Settable	30A Settable	
EFFICIENY (MAINS MODE)	≥96%			
OVERLOAD	110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 10s transfer to bypass model			
SHORT CIRCUIT PROTECTION	Input Fuse			
INVERTER MODE				
OUTPUT VOLTAGE	100V / 110V / 115V / 120V / 200V / 220V / 230V / 240 VAC ±2% Settable			
OUTPUT FREQUENCY	50 / 60 Hz ±1% frequency load more			
WAVE FORM DISTORTION	Linear Load ≤5%			
PV-AC TRANSFER TIME	5 ms typical value; max 8 ms			
MAX. EFFICIENCY	≥78%	≥82%	≥85%	≥85%
INVERTER OVERLOAD	110% 255s transfer to bypass model; 120% 60s transfer to bypass model; 150% 1s transfer to bypass model			
NO-LOAD OFF	Settable (<3% load) access in ≤2 min			
SHORT CIRCUIT PROTECTION	System automatically shut down			
BATTERIES				
DOD	1.75~2.2V, default 1.8V / cell			
EOD	VRLA AGM Battery: 1.60~2.0V, default 1.75V / cell			
EQUALIZING CHARGE VOLTAGE	VRLA AGM Battery: 2.3~2.5V, default 2.35V / cell			
FLOATING CHARGE VOLTAGE	VRLA AGM Battery: 2.2~2.3V, default 2.27V / cell			
RESTRORATION POINT OF OVERVOLTAGE	15.5V	31.0V	62.0V	
OTHERS				
SURGE PROTECTION	Optional			
EMC	EN62040 - 2:2006:EN61000-3-2:2006:EN61000-3-3:2008			
IP CLASS	IP21			
OPERATING TEMPERATURE	-10°C~45°C			
RELATIVE HUMIDITY	10%~93%			
NOISE	< 50 dB			
DIMENSIONS W x D x H (mm)	480 x 380 x 202			480 x 380 x 217
PACKING DIM. W x D x H (mm)	545 x 458 x 278			545 x 458 x 295
WEIGHT (kg)	17	18.8	27.7	35

Specifications subject to change without prior notice