



SUNPACTM
TRUE GREEN ENERGY

InverPro Instant

InverPro Instant 5000-48

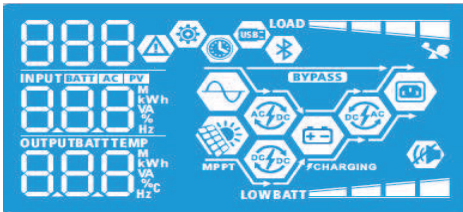
OFF GRID INVERTER



• InverPro Instant 5000-48



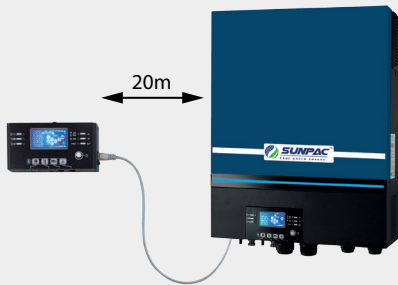
Light Display Panel



Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs

• Detachable LCD control module with various communications.

This detachable LCD control module can be turned to remote panel. Users can install the LCD panel in accessible area away from inverter up to 20 meters.



• Built-in WiFi for mobile monitoring (Android/iOS)

InverPro Instant series is integrated WiFi interface ready for mobile monitoring. This technology allows wireless communication as long as you have internet connection. Now, *WatchPower* App is available in google store.



• Supports USB On-the-Go function

InverPro Instant series supports USB On-the-Go function to facilitate data upload/download.



• Battery equalization extends lifecycle

This inverter charger is built in battery equalization function. This function will help remove sulfation to optimize battery performance and even extend lifecycle.



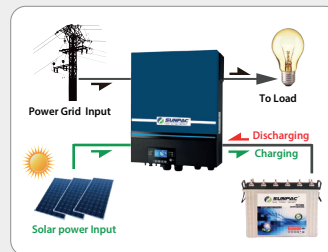
• Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS

This third generation inverter is reserved communication port for BMS. For the detailed information, please contact sales directly.

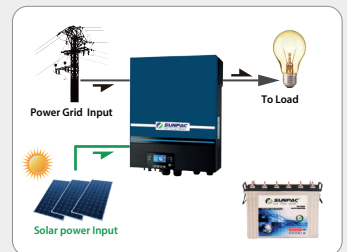
• Battery independency

Inverter can keep supplying power to the loads from PV energy or the grid without battery connected.

1 With battery connected



2 Without battery connected



• User-friendly LCD operation

Users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize inverter performance.



• High PV input voltage range

• Selectable high power charging current

• Configurable AC/Solar input priority via LCD setting

• Parallel operation up to 9 units



• Built-in anti-dust kit

• Replaceable fan design

InverPro Instant series is designed with replaceable fan. It will simplify the maintenance and reduce the maintenance cost.



Head Quarters & Factory - Ghazieh, Sidon, Lebanon Tel: +961 7 220 000 Fax: +961 7 221 754 / 223 322 P.O.Box: 110 Sidon - Email: info@ghaddar.com Beirut Branch - Tel: +961 1 847 770 Fax: +961 1 847 775

UAE - Rich Motor Co. FZE Hamriyah Free Zone, Phase II, Sharjah, UAE - Tel: +971 6 526 9111 Fax: +971 6 526 9431 - P.O.Box: 49353 Sharjah.

Nigeria - 10A Akin Adesola Street, Victoria Island, Lagos - Tel: +234 706 890 9333 - Email: drm@genbriteng.com

Saudi Arabia Rabigh Industrial City, Yanbu Highway, Exit 927, Petro Rabigh Bridge, Rabigh, KSA. Tel: +966 58 373 6543 E-mail: ahmad@ghaddar.com

InverPro Instant Selection guide

MODEL	InverPro Instant 5000-48
Rated power	5000VA/5000W
Parallel Capability	Yes, up to 9 units
INPUT	
Voltage	230 VAC
Selectable voltage range	110 - 280 VAC
Frequency range	50Hz / 60Hz (Auto sensing) \pm 4Hz
Power Factor	\geq 0.98 @ Nominal Voltage (100% Load)
THDi	\leq 10%
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Frequency Range (Synchronized Range)	46 ~ 54 Hz or 56 ~ 64 Hz
Frequency Range (Batt. Mode)	50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz
Harmonic Distortion	\leq 3 % THD (Linear Load); \leq 5 % THD (Non-linear Load)
Waveform	Pure sine wave
Transfer Time AC Mode to Battery Mode	0ms
TransferTime from Inverter to Bypass	4ms (Typical)
EFFICIENCY	
Line Mode	94%
Eco Mode	98%
Battery Mode	92%
BATTERY	
Battery Voltage	40 ~ 62 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	62 VDC
SOLAR CHARGER & AC CHARGER	
Solar charger type	MPPT
Maximum PV array power	6000 W
MPPT Range @ operating voltage	120 ~ 450 VDC
Maximum PV array open circuit voltage	500 VDC
Maximum solar charge current	100 A
Maximum AC Charge current	100 A
DIMENSIONS	
Dimensions D x W x H (mm)	138.4 x 298 x 467.6
Net Weight (Kgs)	12
Communication interface	USB/ RS232/ RS485/WIFI/ Dry-contact/CAN
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating temperature	- 10 °C to 50 °C
Storage temperature	- 15 °C to 60 °C

Product Specifications are subject to change without further notice.