

HOMIV INVERTER

1000 - 5000 VA Pure Sine Wave



Features

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ Short-circuit protections
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 4 units, only available for HOMIV 4-5kVA

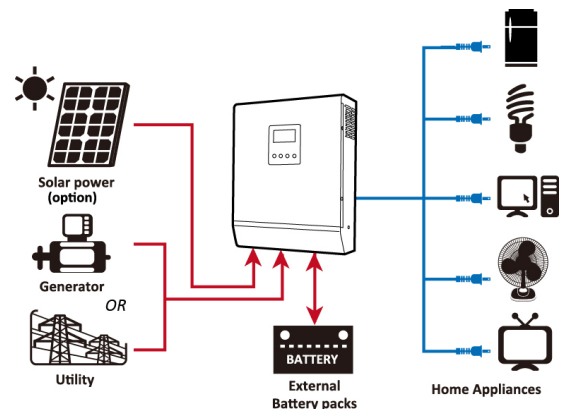


HOMIV Inside Overlook

Compact and Flexible Inverter for long Emergency:

- Home appliances
- Office telecommunication and security systems
- Emergency lighting
- Stand-alone power supplies
- Isolated or unstable power network
- Auxiliary and Emergency care systems

This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.



HOMIV Hybrid Power System

Basic System Architecture

The above illustration shows basic application for this inverter/charger. It also includes following devices to have a complete running system:

- Generator or Utility.
- PV modules (option)

Consult with your system integrator for other possible system architectures depending on your requirements.

This inverter can power all kinds of appliances in home or office environment, including motor-type appliances such as tube light, fan, refrigerator and air conditioner.

HOMIV Inverter Technical Guide

MODEL	HOMIV-1K	HOMIV-2K	HOMIV-3K	HOMIV-4K	HOMIV-5K
CAPACITY [VA/W]	1000/800	2000/1600	3000/2400	4000/3200	5000/4000
INPUT					
Nominal Voltage	230 Vac				
Selectable Voltage Range	170 - 280 Vac (For Personal Computers) 90 - 280 Vac (For Home Appliances)				
Frequency Range	50/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Reg. (Batt. Mode)	230 Vac \pm 5%				
Surge Power	2000	4000	6000	8000	10000
Efficiency (Peak)	90%	93%			
Transfer Time	10 ms				
	20 ms				
BATTERY					
Battery Voltage	12 Vdc	24 Vdc			48 Vdc
Floating Charge Voltage	13.5 Vdc	27 Vdc			54 Vdc
Overcharge Protection	15 Vdc	30 Vdc			60 Vdc
Charging Current (max.)	10 A or 20 A	20 A or 30 A			
SOLAR CHARGER (OPTION)					
Charging Current	50 A				
Max PV Array Open Circuit	30 Vdc	60 Vdc		90 Vdc	
Standby Power Consumption	1 W	2 W			
GENERAL					
Dimensions (WxDxH)	240 x 95 x 316	272 x 100 x 355		295 x 120 x 468	
Weight (kgs)	5.0	6.4	6.9	9.8	9.8
Storage Temperature	-15 \div +60 $^{\circ}$ C				
Operating Environment	Temperature 0 \div 55 $^{\circ}$ C ; Humidity <95%				
Communications	LCD Display and Remote Monitoring				

* Typical transfer time for parallel operation 30ms.

** Product specifications are subject to change without further notice.

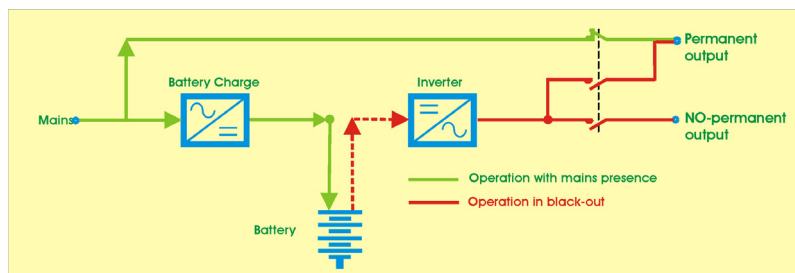
SLE Cabinet - Central Supply Systems

4000 - 20000 VA Pure Sine Wave



The SLE Series is a Central Power Supply System CPSS designed and built in compliance with standards EN50171.

The SLE Cabinets are flexible and with modular concept 4 or 5kVA 230Vac single phase output up to 20kVA, ideal to feed emergency lighting systems and all emergency systems (fire control devices, smoke and gas detectors, safety and security installations). The cabinets have customized dimensions and allow internal installation of VRLA battery 10 years life for long backup time. The LEVER CPSS can operate in all EN50171 configuration modes and it's provided with split outputs for loads supplied in permanently power (SA) or emergency-only (SE). A general control switch device (CSD) is installed between loads and CPSS.



SLE Operation Diagram

Optional:

- Battery Monitoring System up to 12 channels with microprocessor and display.
- Isolation Transformer for galvanic separation.
- AC and DC isolation monitoring devices.
- Dedicated Panel Distribution Unit with SE and SA outgoing switches.
- Customized loads measurement systems.

For further accessories please contact info@lever.it