

A HIGHLY VERSATILE POWER SYSTEM

The **HP COMPACT** series consist of fully automatic pure sine wave inverters/battery chargers/transfer systems.

- the inverter converts the battery voltage to AC voltage for all electrical appliances.
- the high power charger supplies charge current to the battery.
- the automatic transfer system manages the available power.

The **HP COMPACT** benefits from our long experience in mastering a "one step ahead" technology.

THE HP COMPACT SERIES OFFER:

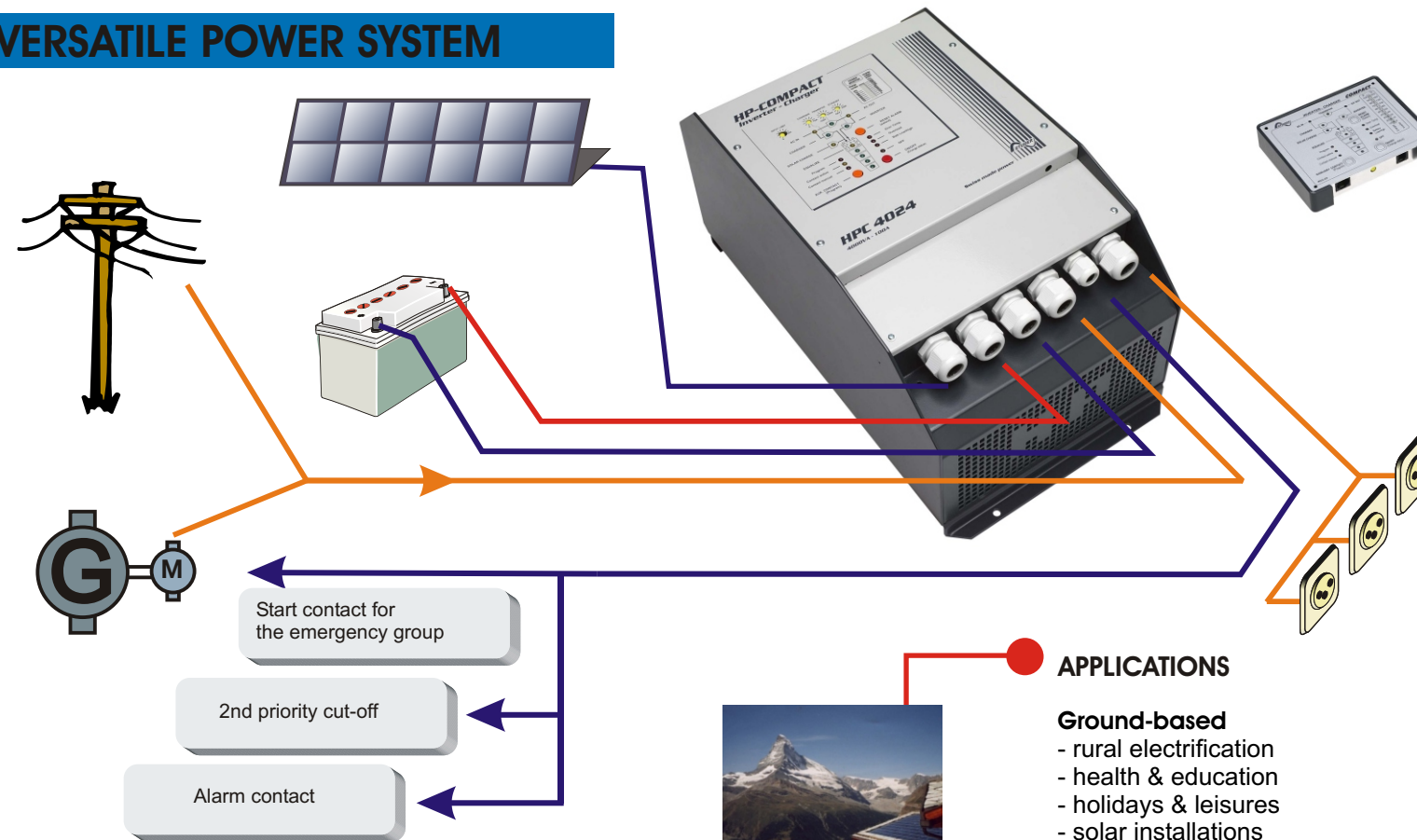
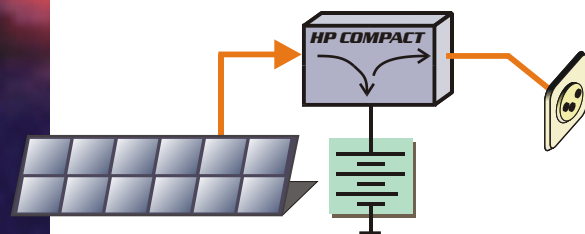
- a high and steady efficiency
- an outstanding overload capability, thanks to the combined use of a toroidal transformer and a MOS power stage
- an ultra-fast regulation and microprocessor controlled
- an electrical supply to any kind of device
- a fast transfer relay with following powers 30A/6,9kVA (50A/11,5kVA for the HPC 7048)
- a 4 STAGE (I/U/Uo/equalizing) battery charger with Power Factor Correction
- a complete internal protection of the **HP COMPACT** (overload, overheat, short-circuit)
- a stand-by level adjustable on a large range and from a low threshold on
- no noise thanks to HF-switching > 20 kHz

FURTHER OUTFITS AND FEATURES:

- clever management of the available input current (power sharing)
- full system display
- programmable auxiliary contact
- easy wall mounting

OPTIONAL SOLAR CHARGE CONTROLLER

A 4 STEP (I/U/Uo/Equalizing) solar charge controller can be supplied built-in with the **HP COMPACT** making the device an "all-in-one" tool for the solar installation.



Start contact for the emergency group

2nd priority cut-off

Alarm contact

POWER SHARING ADJUSTMENT

In option the adjustment of the power sharing can be remotely handled.

EASY MOUNTING

The **HP COMPACT** can be installed on a wall by only one person, thanks to a smart hanging system supplied with the inverter.

EFFICIENT BATTERY SUPERVISION & MAINTENANCE

The **HP COMPACT** allows a supervision and a maintenance according to the type of the battery. Each level can be programmed separately: charge current, absorption-, floating-, equalization-voltage and absorption time.

Temperature sensor: this option can be fixed to any kind of battery and will adjust the battery voltage thresholds according to the temperature variations.

FGS Elettronica - Energie Alternative - Via della Ferriera, 15
25079 Vobarno (BS) IT - Tel./Fax 0365 597196
info@fgsolar.it www.fgsolar.it

DISPLAY & REMOTE CONTROL

An easy and comprehensive LED display unit at the front of the **HP COMPACT** gives a visual and accurate indication of its operating status. It shows continuously on LED bar-graphs the power supplied by the inverter or the battery charge current, and indicates the input and output status, the alarm conditions...

The LED display is fully available on an optional Remote Control, supplied with 20 m cable.

APPLICATIONS

Ground-based

- rural electrification
- health & education
- holidays & leisures
- solar installations

Mobile

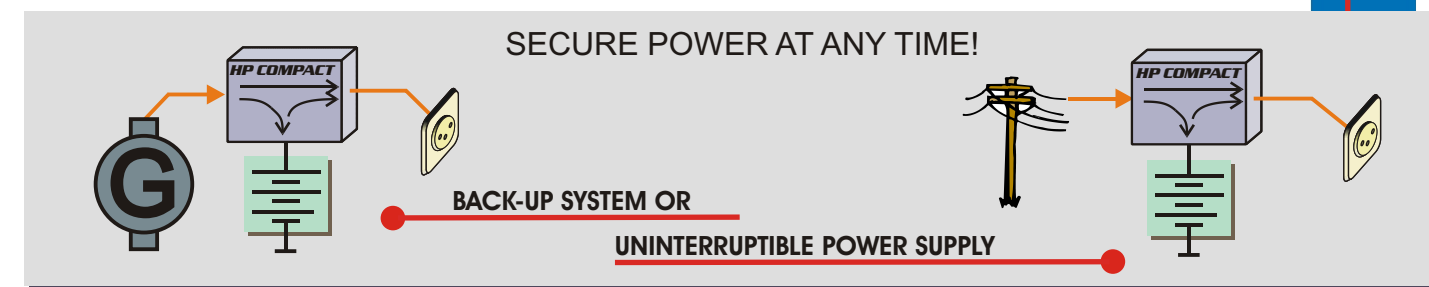
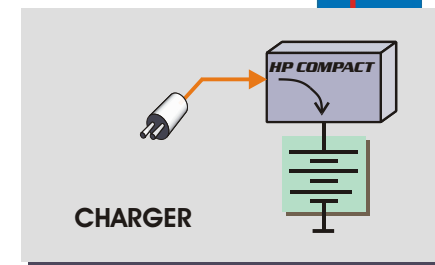
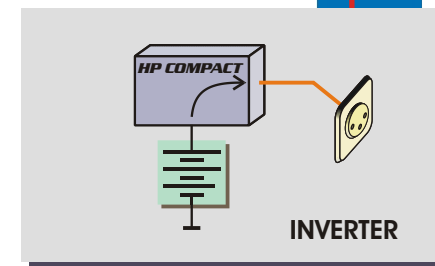
- boats & yachts
- camping-cars
- emergency vehicles
- cars & trucks

Professional

- secured power supply
- telecom & signalisation
- clean power source
- emergency lighting



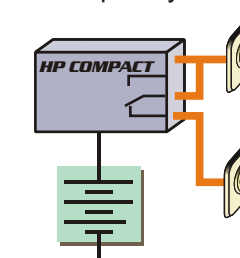
POSSIBLE USES



MULTIFUNCTIONAL CONTACT

The 16 Amp. potential free contact can be programmed according to the user wishes. It can react according to the battery levels as well as to the installation status (alarm conditions, presence of the public grid, sunlight's presence...), and it enables for example :

automatic disconnection of second priority users



alarm contact for an external control, buzzer, MODEM, radio alarm, ...

