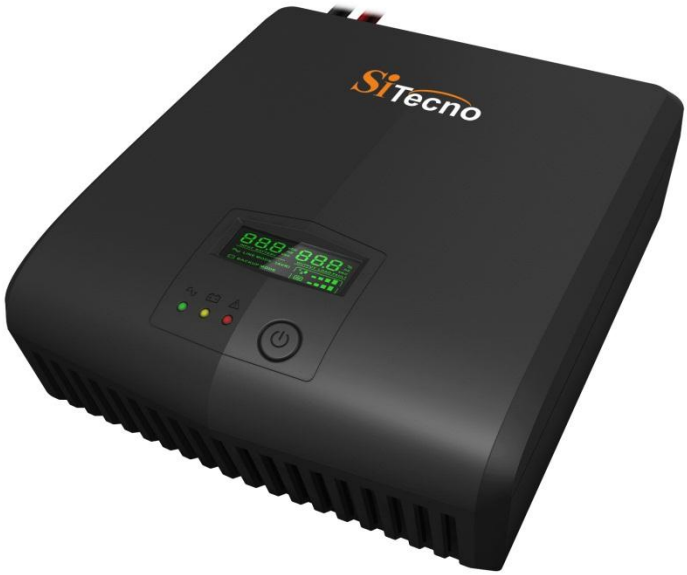

SOLAR HYBRID INVERTER

SITEC 1000-H

SITEC 1000-H INVERTER is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS, a standalone power source or an automotive inverter.

SITEC 1000-H INVERTER supplies power from AC power and DC source. When AC cable is connected to a wall socket, utility power goes to connected equipment(s) and/or charges the battery set via charging system. In battery mode, SITEC 1000-H INVERTER automatically converts battery energy into AC power for backing up the connected devices.

Features:

- Automatic line-to-battery switchover
- Selectable Input voltage ranges
- High efficient DC-to-AC conversion, minimizing energy loss
- Rack design & wall-mounted design for flexible installation
- Built-in enhanced charger, selectable charger current
- Intelligent 3-stage charger control for efficient charging and preventing overcharge
- Auto restart while AC recovery
- User-friendly LCD+LED indications

Multiple protection: low battery alarm, low battery shutdown, over charger protection, overload protection, over temperature protection, short circuit protection

Specification

MODEL		SITEC 1000-HD
*1 CAPACITY	VA/W	1000VA/800W
BATTERY		12VDC
INPUT	Nominal Voltage	220/230/240VAC
	Voltage Range	170-280VAC (Narrow Range)
		90-280VAC (Wide Range)
OUTPUT	Voltage	230VAC
	Voltage Regulation (Bat. Mode)	10% / -18%

	Frequency	50Hz or 60Hz
	Frequency Regulation (Bat. Mode)	+/-1 Hz
	Output Waveform	Modified Sine-wave
BATTERY & CHARGER	Charger Current	15 Amp or 20Amp Selectable
	Overcharge Protection	16V
TRANSFER TIME	Typical	15ms Typical, 40ms Max.
EFFICIENCY	AC to AC	>95%
	DC to AC	>80%
DISPLAY INDICATOR	AC Mode	Display output power, output voltage
	Battery Mode	The mark  will flicker every 1second.
	Battery Charging Mode	Display the Battery capacity
	Fault	Display fault
AUDIBLE ALARM	Low Battery at Battery Mode	Sounding every 2 seconds
	Overload	Sounding every 0.5 second
	Fault	Continuously sounding
PROTECTION	Full Protection	Discharge, overcharge, overload, over temperature protection.
PHYSICAL	Dimension (DxWxH) mm	252mm*220mm*87mm
	Net Weight (kgs)	2.5
ENVIRONMENT	Operating environment	0- 50°C, 5%-90 % relative humidity (non-condensing)
	Storage Environment	-15°C to 55°C, 5% to 95% humidity (non-condensing)
	Noise Level	Less than 50dB