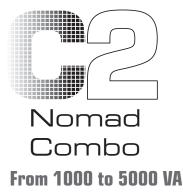


L'Énergie Sans Limite ! Safe Energy for Life !



Renewables energies



C2 Nomad Combo is an inverter with an integrated charger : a perfect solution to provide electric independence to extreme areas such as boats, isolated areas, and motorhomes.

• A smart solution dedicated to many applications



The versatile C2 Combo Nomad is an inverter / charger, combining functions of DC / AC converter (inverter) and battery charger (solar and / or sector). It offers an uninterruptible power support with portable size in numerous environments. It accepts several types of supply : general utility, generator and photovoltaic panel.

C2 Nomad Combo charges batteries and provide 230V to common household appliances. Thanks to solar energy, it can recharge the batteries even in the event of a long power cut.

A reliable and effective technology

C2 Combo Nomad has unique technical characteristics :

- High-Freq. with Galvanic Isolation Design: Battery (DC) isolated with Output (AC) by transformer
- Compatible with Inductive loads : motor, air-conditioner, micro-wave, TV, Fluorescent lamp
- High charging power: up to 30A from utility; and up to 50A from solar PV
- High efficiency (90 93%)
- For maximum safety and reliability in all circumstances, a conformal

coating is applied to C2 Combo Nomad, thus protecting it from wear due to harsh environment conditions. It is also equipped with multiple protections against overloads, overheating, short circuits and reverse polarity.

Practical design

Designed to be wall mounted, this model is easy to set up and use. A quick install is printed on the front face. Plus, all the technical details you would need are in the user guide.

C2 Nomad Combo is user-friendly :

- LCD screen and a simple control panel on the front
- Cold start feature if no power supply
- UPS automatic restart when mains power is restored
- Parallel operation with up to 4 units only available for 4KVA/5KVA (option)













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Adjustable battery number & backup time

Externally connected, the number and the type of batteries can be varied depending on the desired backup time (see backup time table below). Depending on the application field, it is possible to connect standard lead-acid batteries (AGM type), or cyclic batteries.

Models	Load (VA)	Numbre of batt.	Backup time @ 12Vdc 100Ah (min)*	Backup time @ 12Vdc 200Ah (min)*	
1KVA	100	1	766	1610	
	500	1	112	269	
	1000	1	50	112	
2KVA	200	2	766	1610	
	1000	2	112	269	
	2000	2	50	112	
ЗКVА	300	2	449	1100	
	1500	2	68	164	
	3000	2	28	67	
4KVA	400	4	766	1610	
	2000	4	112	269	
	4000	4	50	112	
5KVA	500	4	613	1288	
	2500	4	90	215	
	5000	4	40	90	

* Values indicatives

Optimized battery performance

C2 Nomad Combo provides a state-of-the-art charger which optimizes battery performances. In addition, the total efficiency is between 90 and 93%. Thanks to these features, backup time is extended and user experience improved.

Photovoltaic panels



C2 Nomad Combo allows you to connect one or more solar panels and batteries that will power the connected loads depending on the available light.

BASIC SYSTEM ARCHITECTURE

💿 2 working steps : charging phase and delivery phase.

Charging phase Image: Charging phase Image: Solar power Image: Charging phase Image: Solar phase Image: Charging phase Image: Solar phase Image: Charging phase Image: Solar phase Image

💿 Intuitive LCD screen

C2 Nomad Combo status is seen at a glance on an intuitive LCD screen. The inverter/charger is controlled by a simple control panel on the front with 3-4 buttons: charging current based on applications, AC/Solar input priority, input voltage range depending on appliances.

Configurable AC/Solar priority source via LCD setting

It is easy to set up the AC/Solar input and output source priority. Depending on the environment, this setting maximize C2 Nomad Combo performances.

Examples of AC/Solar priority :

1) When utility and solar are available, battery charged from solar source, ICHG=ISC, load powered from solar and battery, the Max. ISC increases to 50Amps if solar panel with enough energy. Output source and charger source will be turned to utility side in case solar panel without enough energy and battery voltage down to pre-alarm level.

2) When utility and solar are available, battery charged from solar, ICHG=ISC, load powered from utility, Max. ISC increases to 50Amps if solar panel with enough energy. Charger source will be turned to utility side in case solar panel without enough energy.

3) When utility and solar are available, battery charged from solar, ICHG=ISC, load powered from utility, Max. ISC increases 50Amps if solar panel with enough energy. Charger source will be turned to utility side in case solar panel without enough energy.



APPLICATION EXAMPLES



Nautical environment

Docked, the batteries are recharged from the mains. For your long journeys, the converter C2 can recharge the batteries via a solar panel.

The installation of C2 on board will allow you to use any type of electrical equipment possible: fridge, microwave, DVD player, hairdryer, etc. Your C2 can easily convert your voltage from 12V or 24V to 230 V/50 Hz And you will take all your home comforts wherever you go!



Remote locations and camper vans

Some locations are not well connected to utilities and power is not always available : in the mountains, or in camper vans, or worksite huts, for example, power is needed because they have to regularly move from a location to another.

C2 Nomad Combo provides smart power. The user needs only calculate the total load and the needed backup time.



Inductive load

A typical UPS is not suitable to supply an inductive load such as a motor, an air conditioner, or a fluorescent lamp. Under these conditions, the C2 Nomad Combo provides a reliable and effective solution. For example, an engine installed in an inaccessible area can function normally.



Long backup time

To provide a long backup time to a low load, C2 Nomad Combo is the best solution. For instance, pharmacist needs to guarantee power supply of a refrigerator containing vaccines and medicines in case of power failure for 48 hours. The C2 Nomad Combo will be the most flexible and economical solution as the number and type of batteries are adjustable. In addition, it is possible to combine a solar panel to increase backup time.

CONFIGURATION EXAMPLES

Load 750W - Backup time 5H

Inverter/Charger

C2 Nomad Combo 1000 VA

Batteries

• 4 lead-acid batteries 12V, 100 Ah (Parallel connection)

Solar panels recommended (not supplied) :

- Modèle : 85W / 17.6V / 4.83A
- Quantity :
 - 1 panel for a weekly recharge
- 2 panels for a daily recharge

Load 2000W - Backup time 2H30

Inverter/Charger

C2 Nomad Combo 3000 VA

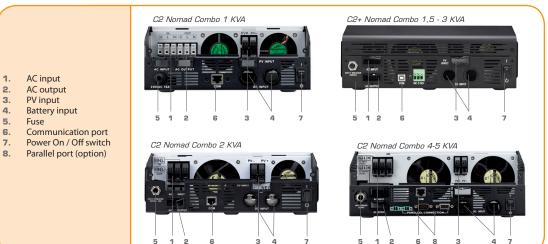
Batteries

6 lead-acid batteries 12V, 100 Ah

Solar panels recommended (not supplied) :

- Model : 260W / 30.9V / 8.42A
 - Quantity : 1 panel for a weekly recharge
 - 2 panels for a daily recharge
 - 2 panels for a daily recharg

CONNECTION



TECHNICAL CHARACTERISTICS

	C2 Nomad combo 1000-12V	C2+ Nomad combo 1500-12V	C2+ Nomad combo 1500-12V	C2 Nomad combo 2000-24V	C2+ Nomad combo 3000-24V	C2 Nomad combo 4000-48V	5000-48V	omm	
GENERAL SPECIFICATIONS								oluti	
Wave form				Pure sine wave		1		nana	
Power	1000 VA	1500 VA	1500 VA	2000 VA	3000 VA	4000 VA		RJ45 (I	
Power factor	0,8	0,8	0,8	0,8	0,8	0,8	0,8	dry co	
PHYSICAL		1				1		Watch	
Dimensions - WxLxH (mm)	95 x 240 x 316								
Net weight (kg)	5.0	6.0	6.5	6.35	6.9	10	10		
NPUT								icka	
/oltage	230 VAC								
/oltage range	170-280 VAC (1 PC)								
	90-280 VAC (home appliances)								
Frequency Maximum efficiency	50 Hz/60 Hz (auto detection)							RJ45 Co 2000, 4	
Transfer time	93% 10 ms (1 PC) / 20 ms (home appliances)							2000, 4 USB Co	
			iums (I	i c// zo ms (nome a	hhugures)			3000 VA	
OUTPUT (battery mode)				220146 - 57			· · ·	Watchp	
AVR	230VAC ± 5%								
Frequency	50 Hz/60 Hz (auto detection)								
BATTERY						1			
Battery voltage	12 VDC	12 VDC	24 VDC		/DC		VDC	Warr	
Floating Charge Voltage	13.5 VDC	13.5 VDC	27 VDC	1	/DC				
Low battery warning	10.5 VDC	10.5 VDC						2-year wa against	
Stop voltage	10 VDC 15 VDC	10 VDC 16 VDC	32 VDC	20 VDC 30 VDC	32 VDC		m m	defects u compliar	
Overcharge Protection Maximum charge current	10 A or 20 A	60 A	60 A	20 A or 30 A	60 A		ū		
SOLAR CHARGER	10 A 01 20 A	00 A	00 A	20 A 01 30 A	00 A	20 A C		Varrant	
				504			w	www.in	
Charging current Operation voltage range	15 ~18Vdc	15 ~18Vdc		50A 30 ~32Vdc 60 ~72vdc			ourchas		
Maximum PV Array Open Circuit				30 ~32Vdc					
Voltage	30 VDC	30 VDC		60 VDC		901	VDC		
Standby power Consumption	1W 2W								
DISPLAY AND ALARMS									
Visual indicators	LCD screen								
Sound Alarm	Alarm								
MANAGEMENT / COMMUNICATI	ON								
Communication		Communication	norts & WatchPowers	oftware (supported by	Windows 7 8 & 10	inux Unix & MAC)			
Parallel connection	Communication ports & WatchPower software (supported by Windows 7, 8 & 10, Linux, Unix & MAC) Optional Yes								
ENVIRONMENT	Optional Yes								
Ideal environment			5% to 95% rela	tive humidity (with	out condensing)				
Working mode temperature	5% to 95% relative humidity (without condensing) from 0°C to 55°C								
Storage temperature		-15°C to 60°C							
NORMS	1						(J.	
Standard				CE RoHS					
	156 (1000 6 100				000 1500000 1 5	2000 1500000 15		ose	
EMC (Electromagnetic)	IEC 61000-6-4:2006; IEC 61000-6-2:2005; IEC 61000-3-2:2005; IEC 61000-3-3:2008; IEC 61000-4-2:2008; IEC 61000-4-3:2006; IEC 61000-4-4:2012; IEC 61000-4-5:2005; IEC 61000-4-6:2008; IEC 61000-4-8:2009; IEC 61000-4-11:2008;								
Low voltage (Safety)	EN 60950-1:2006								
SALES INFO							44	4880	
				2 1/2225				S	
Warranty	2 years							Tel: +	
PN	63205	63223	63224	63206	63225	63208	63209	S	



From 1000 to 5000 VA

Communications solutions and remote management

- RJ45 (RS 232) communication ports and dry contacts
- WatchPower software

ackage content

- C2 Nomad Combo or C2+ Nomad Combo User guide
- RJ45 Communication cable x 1 (for 1000, 2000, 4000 & 5000 VA models)
- USB Communication cable x 1 (for 1500 & 3000 VA models)
- Watchpower software (to download)

Warranty

BRANT 2 YEAR

against manufacturing defects under normal conditions and compliance with precautionary measures. Warranty to be taken out on www.infosec-ups.com within 10 days of



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