

RUB-SOLCB600



RUB-SOLCB1000



RUB-SOLCB1524



RUB-UPS-C2



RUB-UPS-C32



## Backup And Ups Inverters For Load Shedding

The CB Solar pure sine wave series is designed to work and protect PC equipment and serves as a backup device in extremely hostile power environments where other UPS simply cannot operate. An extra wide input AVR conserves battery for added security. Includes a multi-stage surge suppressor which can protect from surges and spikes. Available in 600W and 1000W versions. These units are powered/charged from the utility/grid only.

### Pure Sine Wave Power Inverter

- 12/ 24V DC optional
- Low frequency, inbuilt transformer
- AVR function
- Charge current Max. 20A
- Supports inductive load, motor, generator
- Input range: 145-275V AC
- Output: 230V AC+/-10%
- RS232 available
- LCD/LED panel
- Changeover time: 5ms
- Automatic self-test, discharge protection, over charging protection, short-circuit protection, low voltage, over voltage, overload, over heating protection

Product Code	Rated Power	AC Input	Battery Input	Charger	Wave Form	Transfer Time	Weight
RUB-SOLCB600	600W	220V/240V (±10%)	12V	15A-25A	Pure sine wave	2-6ms	10,5kg
RUB-SOLCB1000	1000W	220V/240V (±10%)	24V	15A-25A	Pure sine wave	2-6ms	12,5kg

### CB3000 Backup Inverters

The CB Solar low frequency pure sine wave combined inverter & charger CB3000 Series 1-3kw: Quiet, high efficiency operation Front panel LED/LCD indicators and adjustable switch selectors Selectable settings for flooded lead acid, gel, or absorbed glass mat (AGM) batteries. For use at home or office environment. 35A ~70A automatic 3-stage battery charger.

- High surge capability
- Durable construction for long life under extreme environmental conditions.
- Simplified controls with a snap-on cover that protects settings from being accidentally changed Better thermal performance allows full output power to 50°C without de-rating High surge capacity starts more difficult loads and handles overload conditions reliably Circuit boards are uniformly-coated to protect them from corrosion for longer life & improved reliability Durable powder coated, corrosion resistant steel chassis.
- Compatible for generator, frequency range (40hz to 80hz )
- Charge current is Adjustable (25%, 50%, 75%, 100%), it is suitable for different battery.
- High overload ability of our APC charger is up to 300% rated power (20 sec.).
- EP3000 pure sine wave inverter adopts low quiescent current, and power saver mode to reduce power consumption to 10W (3s sensing cycle) / 3W(30s sensing cycle). It can extract max. power from various batteries with different protections, and low voltage trip can be selected (9.5V / 10V or 10V / 10.5V).
- Uses PFC (power factor correction) for charger, which has less power consumption than conventional units.
- It has 15s delay before transfer when AC resumes, and overload protection when our IR pure sine wave inverter equips with generator.
- 10ms typical transfer time between battery and AC, which guarantees power continuity of IR charger. Uses selectable input AC voltage (184-253V or 154-253V) for different kinds of loads.
- Our EP3000 charger allows start up and through power with depleted batteries. Its powerful charge rate up to 90Amp.
- It can offer 3-step intelligent battery charging, and equipped with 8 pre-set battery type selector for totally flat batteries.
- LCD status display, battery/AC priority switch, USB communication port are available for our APC pure sine wave inverter, it also has 17 alarms/warnings for easier operation and trouble-shooting, and ability to switch the unit on/off. In addition, select/ deselect power saver mode can be used too.

Product Code	Rated Power	AC Input	Battery Input	Charger	Wave Form	Transfer Time	Weight
RUB-SOLCB1524	1500W	220V/240V (±10%)	24V	25A	Pure sine wave	10ms max.	15,5kg
RUB-SOLCB2024	2000W	220V/240V (±10%)	24V	35A	Pure sine wave	10ms max.	19,1kg

### Battery Boxes

Product Code	Description
RUB-UPS-C1	Battery box for 1X 12V 100AH
RUB-UPS-C2	Battery box for 2X 12V 100AH
RUB-UPS-C4	Battery box for 4X 12V 100AH
RUB-UPS-C32	Battery box for 32X 12V 100AH



## CB Solar Synapse Hybrid Backup Inverters

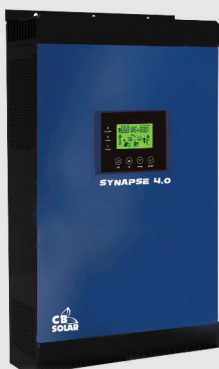
This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar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

### Features

- Pure sine wave output
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains or generator AC input power
- Auto restart while AC is recovering
- Smart battery charging design to optimize battery performance
- Cold start function
- Parallel operation with up to 4 units (Only available for 4kW model)
- Optional remote control panel available



RUB-SYNAPSE0.5+



RUB-SOL-I-SYNAPSE4.0

Product Code	Description
RUB-SYNAPSE0.5+	CB Solar Synapse 500VA / 300W DC12V 30A MPPT Solar Charge Controller
RUB-SYNAPSE1.2+	CB Solar Synapse 1200VA / 700W DC12V 30A MPPT solar charge controller
RUB-SYNAPSE2.0+	CB Solar Synapse 2000VA / 1200W DC24V 30A MPPT Solar Charge Controller

\* + = Includes MPPT

Product Code	Rated Power	AC Input	Battery Input	Charger	Wave Form	MPPT Input Volts	Weight
RUB-SOL-I-SYNAPSE2.4	2400W	220V/240V (±10%)	24V	30A	Pure sine wave	None	6,9kg
RUB-SOL-I-SYNAPSE2.4+	2400W	220V/240V (±10%)	24V	20-30A	Pure sine wave	60V	6,9kg
RUB-SOL-I-SYNAPSE4.0+	4000W	220V/240V (±10%)	48V	60A	Pure sine wave	145V	9,8kg
RUB-P-KIT	Parallel kit for above						

\* + = Includes MPPT



## Delta Solar Grid-Tied Inverters

### Performance and advanced features

#### Maximum profitability

Delta solar inverters achieve a peak efficiency of up to 98.6% and offer one of the largest operating temperature ranges available. Full output up to 52°C ambient temperature to maximise energy efficiency and ensure maximum profitability.

#### Long lifetime

Delta inverters have a very long lifetime thanks to the durable aluminium housing and high quality robust electronics that are employed in their design. Continuous product improvement is ensured due to comprehensive testing during product development and in production.

#### Easy installation

The lightweight, compact design combined with the unique wall bracket makes installation of the solar inverters greatly simplified. All inverters ship standard with a mounting bracket and AC plug to allow quick installation right out of the box

#### Aluminium housing

The aluminium housing of Delta solar inverters ensure long lasting protection against moisture and corrosion. The dust-proof, completely shockproof housing protects the electronics of the solar inverter from water spray from all directions. This means that it can be installed in protected outdoor areas, damp basements and areas with a high level of dust (agriculture).

## 3kVA - 5kVA Grid - Tied Inverter

Input (DC)			Output (AC)		
Product Code	MPP Operating Voltage Range	Max. No. Of MPP Trackers	No. Of Phases	Nominal Apparent Power	Voltage Range
RPI H3A	125 ... 550V	1	1	3kVA	230 (-20% / +22%), 1 phase (L, N, PE or L, L, PE)
RPI H4A	100 ... 550V	2	1	4kVA	
RPI H5A	100 ... 550V	2	1	5kVA	



RPI H3



RPI H4A - RPI M10A



RPI M15A - RPI M20A