COM SERIES
Off grid Solar Inverter

Off Grid Solar Inverter
COM 1500VA/1200W 3000VA/2400W
Codi Energy

PC

TV

Electric fan

FM Radio

Solar Power



Product Data Sheet

MODEL	COM-1.8KW-12	COM-3KW-24	COM-3.8KW-24	COM-6.2KW-48
Rated Power	2200VA/1800W	3200VA/3000W	4000VA/3800W	7000VA/6200W
INPUT				
Voltage	230VAC			
Selectable Voltage Range	170-280vac(for persona computers) 90-280VAC(for home appliances)			
Frequency Range	50Hz/60Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt.Mode)	230VAC±5%			
Surge power	4400VA	6400VA	8000VA	14000VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)			
Wave form	Pure Sine Wave			
BATTERY & AC CHARGER				
Battery Voltage	12VDC	24VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC
Maximum charge current	60A		80A	
SOLAR CHARGER				
MAX.PV Array Power	2000W	3000W	5000W	6000W
MPPT Range@ Operating Voltage	55-450VDC			
Maximum PV Array Open Circuit Voltage	450VDC			
Maximum Charging Current	80A		110A	
Maximum Efficiency	98%			
PHYSICAL				
Dimension.D*W*H(mm)	405X286X98MM		423X290X100MM	423X310X120MM
Net Weight (kgs)	4.5kg	5.0kg	7.0kg	8.0kg
Communication Interface	RS232/RS485(Standard) GPRS/WIFI(Optional)			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10 'C to 55 'C			
Storage Temperature	-15 C to 60 'C			

Features:

- Pure sine wave inverter
- 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 to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger desigr for optimized battery performance

Solar System Connection

