

Off Grid Solar Inverter

SC300- 3K/5K/6K

Features



•Detachable LCD control module with various communications



•Mobile monitoring (App is available)
•Supports USB On-the-Go function



•Battery independent design
•Reserved communication port (RS485, CAN-BUS or RS232) for BMS



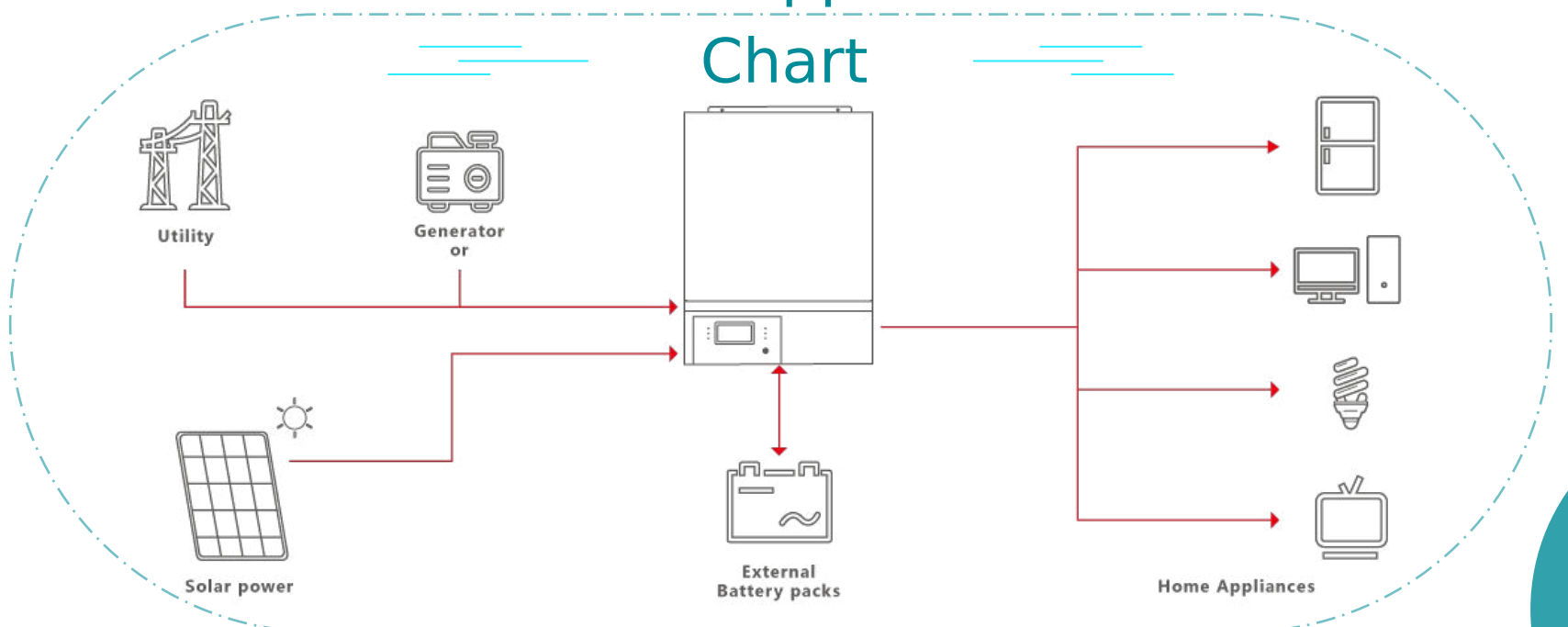
•Battery equalization extends lifecycle
•User-friendly LCD operation
•Replaceable fan design for ease of maintenance



•Feed-in to the grid function
•Dual outputs selected as either programmable output or generator input

Product Application

Chart



Product Model and Technical parameters

MODEL	SC300-3024	SC300-5048	SC300-6048
Rated Inverter Power	3000VA/3000W	5000VA/5000W	6000VA/6000W
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers)		
	90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT (OFF-GRID OPERATION)			
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%		230VAC \pm 10%
Surge Power	6000VA	10000VA	12000VA
Efficiency (Peak)	90% ~ 93%		
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Dual Outputs	Yes		
BATTERY			
Battery Voltage	24 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	
Overcharge Protection	33 VDC	63 VDC	
SOLAR CHARGER & AC CHARGER			
Solar Charger type	MPPT		
Maximum PV Array Power	4000W	5000W	6000W
Low Battery	120 ~ 450 VDC		
Overload	500 VDC		
Battery Replacement	100A		120A
Fault	100A		100A
Maximum Charge Current	100A		120A
PHYSICAL			
Dimension, D X W X H (mm)	115 x 300 x 400		
Net Weight (kgs)	9	10	10
Communication Interface	USB/RS232/RS485/BluetoothDry-contact		USB/RS232/RS485/Wifi/Dry-contact
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		