

SILA ULTRA Off-Grid Inverter



- Dual outputs for smart load management
- Two independent AC power sources connected and switched automatically
- Built-in current transformer sensor to meet self-consumption application
- Support external BTS (Battery Temperature Sensor) detection
- Built-in power status lighting indicators
- Built-in 2.8" colored LCD with slide operation
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Support optional GFCI, Rapid shutdown, AFCI detections
- Parallel operation with 6 units

SILA Ultra Off-Grid inverter Guide

MODEL	SILA ULTRA 8000MHTD		SILA ULTRA 11000MHTD
RATED POWER	8000VA/8000W		11000VA/11000W
PARALLEL CAPABILITY	YES, 6 units		
INPUT			
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			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	16000VA	22000VA	
Efficiency (Peak)	93%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	48 VDC		
Floating Charge Voltage	54 VDC		
Overcharge Protection	63 VDC		
SOLAR CHARGER & AC CHARGER			
Solar Charger Type	MPPT		
Maximum PV Array Power	10000W (5000W x 2)	12000W (6000W x 2)	
MPPT Range @ Operating Voltage	90 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum PV Input Current	27A x 2 (MAX 40A)		
Maxmum Solar Charge Current	150A	150A	
Maximum AC Charge Current	120A	150A	
Maximum Charge Current	150A	150A	
PHYSICAL			
Dimension, D x W x H (mm)	145 x 438 x 553.6		
Net Weight (kgs)	18.4		
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid shutdown, AFCI detection		
External Current Sensor Port	Yes, built-in current transformer sensor		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		
STANDARD			
Compliance Safety	CE		

Product specifications are subject to change without further notice.