



# YUKON II

3.5KW-24V 5.6KW-48V  
**SOLAR INVERTER**

## PRODUCT FEATURES

- ◆ High-efficiency pure sine wave inverter (PF=1)
- ◆ Wide PV input range (60Vdc-500Vdc) 120A MPPT SCC.
- ◆ Intelligent 3 stage 80A AC battery charger.
- ◆ Intelligent functionality enables utility and solar input prioritization.
- ◆ System configures quickly into a compact, wall-mounted system.
- ◆ Enhance MPPT solar charger controller up to 120 Ampere.
- ◆ Efficiently works without battery
- ◆ Adaptable to Main voltage / Generator Power.
- ◆ Built-in Anti Dust kit.
- ◆ Cold start function
- ◆ MPPT smart battery charge controller design for optimized battery performance



بل کی فکر سے بے فکر



**2 YEARS**  
PRODUCT WARRANTY

**3 YEARS**  
SERVICE WARRANTY

<b>Model Name</b>	<b>YUKON II</b>
<b>RATED POWER</b>	<b>3.5KW-24V 5.6KW-48V</b>
<b>AC INPUT</b>	
Voltage	<b>230 VAC</b>
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90- 280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto Sensing)
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Power	7000VA   11000VA
Efficiency (Peak) PV to INV.	97%
Efficiency (Peak) Battery to INV	94%
Transfer Time	10 ms (For Personal Computers) ; 20ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	24VDC   48VDC
Floating Charge Voltage	27VDC   54VDC
Overcharge Protection	33VDC   61VDC
Maximum Charge Current	100A
<b>SOLAR CHARGER</b>	
Maximum PV Array Power	4000W   6000W
MPPT Range @ Operating Voltage	60-450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Charging Current	120A
Maximum Efficiency	98%
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	114 x 298 x 362
Net Weight (kgs)	9   10
Communication Interface	USB/ RS232
<b>OPERRATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C-60°C