



# 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



# YUKON II

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

Model	YUKON II	
	3.5KW-24V	5.6KW-48V
RATED POWER	3.5KW-24V	5.6KW-48V
<b>AC INPUT</b>		
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)	
AC Voltage Regulation (Batt. Mode)	230 VAC ± 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>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C-60°C	

**Bur Dubai Office:**

Showroom # 19, SUQ Al Kabeer Building,  
Bur Dubai, Dubai, UAE

**Deira Office:**

Showroom # 5 & 6, 7 States Building  
Baniyas Square, Deira, Dubai, UAE