

Pure Sine Wave 3 Phase Solar Inverter

JUNIOR GREEN POWERBOX

SCPV-3/24KW



- True Double Conversion Pure sine wave inverter
- Output Power Factor 0.8
- Selectable charging current based on applications
- Microprocessor Controlled Energy Management System to maximise use of Solar Energy and minimise utility cost
- Compatible to mains voltage or generator power
- Parallel operation with up to 4 units available June 2014
- Dual Mains Input (Generator and Utility)
- Automatic Generator Control included
- Auto restart while AC is recovering
- Overload and short circuit protection
- Maximum Power Point Tracking (MPPT) Solar battery charger for optimized battery performance
- Cold start function

Rated Power	30000 VA / 24000 W
INPUT	
Nominal Voltage	3 x 400 VAC (3 Phase + Neutral)
Input Voltage Range	305-478 VAC (3 – Phase) at 100% Load ; 190-520 VAC (3 – Phase) at 50% Load
Frequency Range	50 Hz/60Hz (Auto Sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	3 x 400 VAC (3 Phase + Neutral)
Nominal power	30 KVA / 24KW
Efficiency (Peak)	92%
Transfer Time	10 ms
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	240 VDC
Floating Charge Voltage	270 VDC
Overcharge Protection	284 VDC
Maximum Charge Current	80 A or 120 A
Maximum Power Point Tracking(MPPT) CHARGER	
Charging Current	120 A
Maximum PV Array Open Circuit Voltage	450 VDC
Nominal MPPT Voltage Range	300V to 400V
Physical	
Dimension, D x W x H (mm)	815 x 300 x 1000
Net Weight (kg)	98
Operating Environment	
Humidity	5% to 95% Relative Humidity (Non Condensing)
Operating Temperature	0°C – 55°C
Storage Temperature	-15°C to 60°C
Noise Level	Less than 65db @ 1meter
*Typical transfer time for parallel operation is 30ms.	
*Product specifications are subject to change without further notice	