

100VA – 7.5KVA TRANSFORMER BASED INVERTER



MODEL	NORDIC 100VA/200VA/300VA / 400VA/600VA/800VA /12V	NORDIC 1000VA/1500VA/ 24V	NORDIC 2000VA/ 36V	NORDIC 2500VA/3000VA/48V, 4000VA/5KVA/72V, 6KVA /96V, 7.5KVA/ 96V
Input voltage (UPS)	180-260V	180-260V	180-260V	180-260V
Input voltage (INV)	90-280V	90-280V	90-280V	90-280V
Output voltage on mains mode	Same as input	Same as input	Same as input	Same as input
Out voltage on inverter mode	220 ±5%	220 ±5%	220 ±5%	220 ±5%
Output frequency on inverter mode	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz	50Hz ±0.1Hz
Switching from mains to inverter and from inverter to mains.	Automatic	Automatic	Automatic	Automatic
Switching from mains to UPS and from UPS to Mains	Automatic	Automatic	Automatic	Automatic
Output waveform on mains mode.	Same as input	Same as input	Same as input	Same as input
Output waveform on inverter mode.	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE	PURE SINE WAVE
Battery charging current	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.	Constant charging approx 6% of the rated battery current in AH.
Charger	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology	Power factor controlled boost technology
Efficiency	> 80%	> 80%	> 80%	> 80%
Inverter overload	120%	120%	120%	120%
Inverter short circuit	300%	300%	300%	300%
Technology	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.	DSP BASED DESIGN.
Auto reset features	Yes	Yes	Yes	Yes
SOLAR SPECIFICATON				
PV Panel Voc Max.	23V	45V	68V	92V/138V/184V
PV Panel on load V Output	15.5V	31V	46.5V	62V/93V/124V
Output Current	10 to 40 Ampr	10 to 40 Ampr	10 to 40 Ampr	10 to 40 Ampr
Battery Full Charge Cutoff	13.8 VDC	27.6 VDC	41.4 VDC	55.2/82.8 /110.4VDC

Please use the following part numbers when ordering:

NI-INV-XXXX-YY-P

Where

XXXX - KVA rating of inverter.

YY – Input DC Voltage on Inverter.

P – Transformer based, A – Transformer less.