



- ACSOON ANDW series DC to AC pure sine wave Inverter is one of the AC Power Supply delivering AC Power from Batteries or any other DC source. It provides clean low distortion sine wave output for sensitive electronics and instrument. It integrates IGBT and PLC for quick response and higher reliability.
- ACSOON ANDW series inverter with Bypass availability in case of AC power loss, the inverter would auto switch to DC battery in zero time (on line power) and in 4 seconds (off line power).
- Regarding the On-line model, the inverter continuously conditions the incoming power, providing a high quality sine wave AC Power in very low distortion. For Off-line model, the inverter shut down and continue working in 4 seconds. In the event of Inverter failure, in the event of inverter malfunction, the inverter would changeover to AC power input.

Main Features

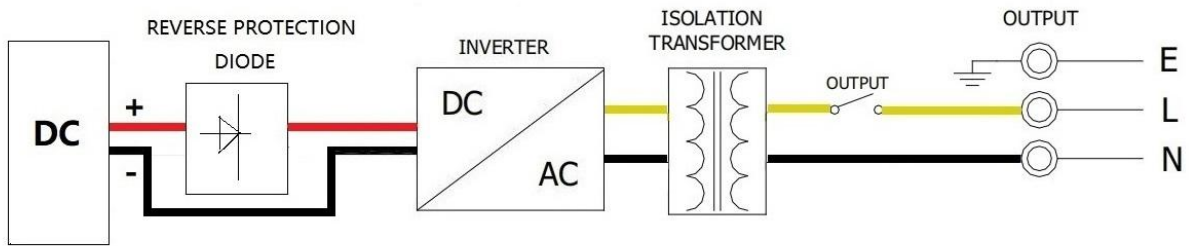
- ❧ Isolated output transformer, suitable for any unbalance loads. Every single phase can be used independently
- ❧ EMC compatible lower noise
- ❧ Galvanically isolated, low harmonic distortion
- ❧ Pure sine wave, sinusoidal output
- ❧ Frequency and voltage adjustable
- ❧ Display real-time data: voltage, current, frequency, power / power factor

ACSOON® ANDW series Pure Sine Wave Inverters are available with the following capacities:

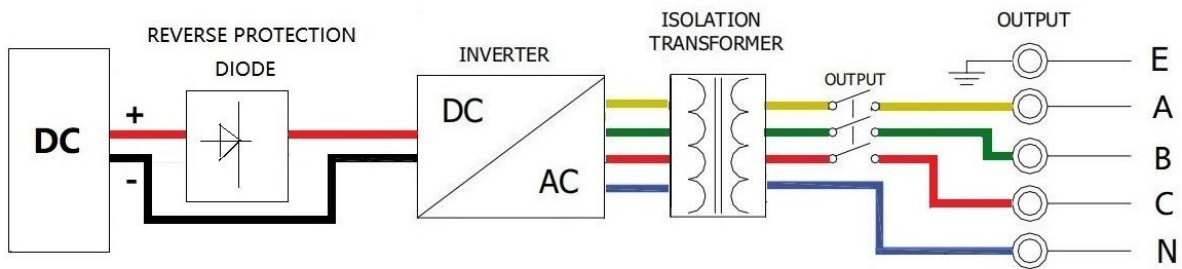
❑ Single phase output: (Select one individual KVA)
1kva, 2kva, 3kva, 5kva, 10kva, 15kva, 20kva, 30kva, 45kva, 60kva, 75kva, 100kva

❑ Three phase output: (Select one individual KVA)
1kva, 3kva, 6kva, 10kva, 15kva, 20kva, 30kva, 45kva, 60kva, 75kva, 100kva, 150kva, 200kva, 300kva

Circuit Block Diagram for ACSOON ANDW Series DC-AC Inverter



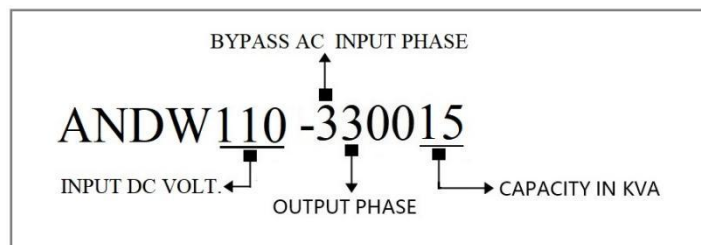
DC INPUT - SINGLE PHASE OUTPUT



DC INPUT - THREE PHASE OUTPUT

Models Selection Designate

The ACSOON® ANDW series DC-AC Inverter model designation are shown below



Specification Data sheet for ACSOON ANDW Series DC-AC Inverter

INPUT	
Input DC Voltage	48V 60V 110V 220V 380V 520V, 600V (Can be customized)
Input AC Voltage	Single Phase 220V, Three Phase 380V (Or as per customized)
AC Voltage Tolerance	± 15%
Nominal Frequency	50Hz / 60Hz
Frequency Tolerance	40Hz - 70Hz
OUTPUT	
Number of Phases	Single Phase / Split Phase / Three Phase
Nominal Output Voltage	110V 120V 220V 230V 240V / Single Phase ; 208, 380V, 400V, 415V, 440V,480V / Three Phase
Voltage Adjustable	0-150V (L-N), 0-300V (L-N); 0-260V (L-L), 0-520V (L-L)
Nominal Output Frequency 50Hz / 60Hz	
Frequency Adjustable	45Hz - 200Hz or as per customized
Voltage Regulation & Stability +/-1% FS	
Frequency Stability	+/-0.1%FS
LED Digital Display	4 digits LED displaying: Frequency, Voltage, Current, Power Factor / Power (watt).
Manual buttons on panel	Run and reset (stop), phase changeover button, power (watt)
Distortion	Clean sine wave THD <3% @ Linear loads
Input Power Factor	≥0.8
Overall Efficiency	≥85%
Crest Factor	1.414±0.1
Weight & Dimension	As per manufacturer's standard configuration
Protection	Over current, over load, over heat, short circuit,over heat Protections and alarm.
Overload Capacity	125% 1s
IP Class	Standard IP20/IP21 indoor. IP32 & IP54 as optional
MTBF	50,000 Hrs
MTTR	<30Min
Humidity	10-95%
Noise	Less than 65dB within 1 meter
Operating Temperature	-10 to 45°C
Standards	EN60204-1, IEC 62321 & EN61000-6-3