

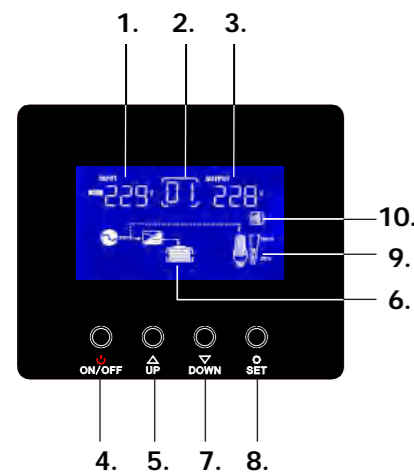
LOW FREQUENCY INVERTER (AN-WSPI SERIES)



Features of Module

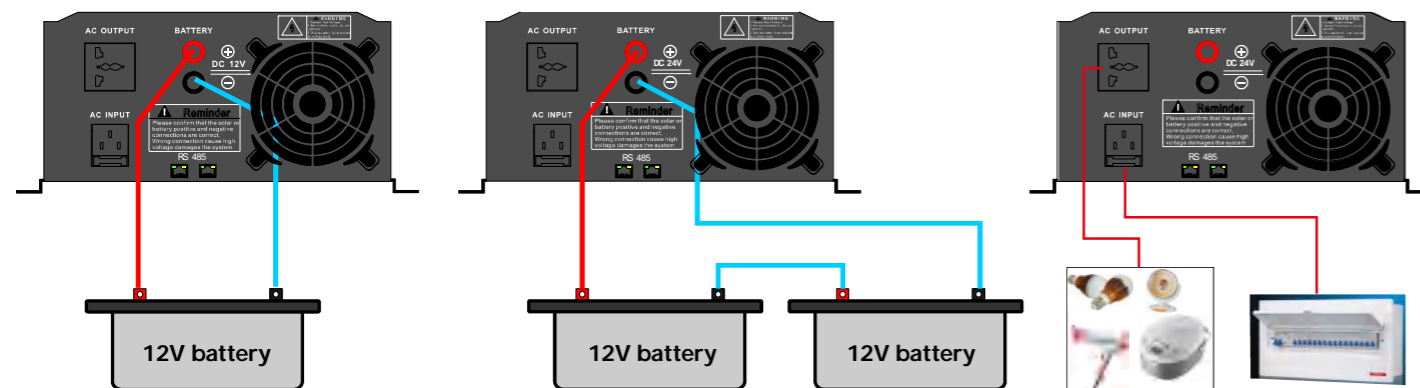
- Pure sine wave output
- With UPS automatic switching function, grid power charging function
- It has perfect protection functions such as over load high voltage, low voltage, short circuit, etc.
- DSP Intelligent Chip Control, Excellent Performance
- Strong inverting capability, one-time soft start, triple output peak power , with all inductive loads
- Smart LCD display and setting(Working modes, Charge Current, Charge Voltage, charging on/of switch, AC range input , battery voltage ,Battery low voltage shutdown etc.)
- Full personalized LCD display, inverters can display various data information
- Mains priority mode, Battery priority mode, Energy saving priority Generator mode,
- Main priority unattended mode, Battery priority unattended mode, can be set freely to meet different occasions
- WIFI/RS485 remote monitoring communication (Optional)

LCD Display Information



| NO | LCD Display | Contents Descriptions |
|-----|----------------|------------------------|
| 1. | INPUTAC | Input |
| 2. | (1) | Working mode code |
| 3. | OUTPUT | AC Output |
| 4. | ⏻ | ON/OFF button |
| 5. | ⬆ | UP button |
| 6. | BATT | battery capacity |
| 7. | ⬇ | DOWN button |
| 8. | ⚙ | SET button |
| 9. | LOAD 25%--100% | Load output percentage |
| 10. | 🔇 | Mute |

Solar System Connection



| Model | AN-WSPI-500W | AN-WSPI-700W | AN-WSPI-1000W | AN-WSPI-1200W | AN-WSPI-1500W |
|------------------------------------|--|--------------|---------------|---------------|---------------|
| Inverter Output | | | | | |
| Rated power | 500W | 700W | 1000W | 1200W | 1500W |
| Surge rating(20MS) | 1500W | 2100W | 3000W | 3600W | 4500W |
| Capable of starting electric Motor | 150W | 200W | 300W | 400W | 500W |
| Wave form | Pure sine wave | | | | |
| Power factor | 1 | | | | |
| Output voltage RMS | 110VAC/120VAC ;220VAC/230VAC/240VAC±10 % | | | | |
| Output frequency | 50Hz or 60Hz (±0.3Hz) | | | | |
| Inverter efficiency (peak) | >85% | | | | |
| Line mode efficiency | >95% | | | | |
| Overload | 120%<Load<130% ±10:Fault(Turnoff output after 60seconds) | | | | |
| | 130%<Load<150% ±10:Fault(Turnoff output after 10seconds) | | | | |
| | 150%<load±10:Fault(Turnoff output after 10seconds) | | | | |

| | | | | | |
|------------------------------|---|--|--|--|-------|
| Battery | | | | | |
| Battery voltage | 12VDC/24VDC | | | | 24VDC |
| Minimum start voltage | (9.5V-12.5V adjustable)+0.5V for 12VDC mode (*2 for 24VDC) | | | | |
| Low battery voltage cut of | (9.5V-12.5V adjustable), 10V(default) for 12VDC mode (*2 for 24VDC) | | | | |
| Low battery voltage alarm | (9.5V-12.5V adjustable)+0.5V,10.5V(default) for 12VDC mode (*2 for 24VDC) | | | | |
| High battery voltage alarm | 16V for 12VDC mode (*2 for 24VDC) | | | | |
| High Battery Voltage Recover | 15.5V for 12VDC mode (*2 for 24VDC) | | | | |
| Battery type | AGM,Lead Acid,Lithium, Ternary | | | | |

| | | | | | |
|------------------------|--|--|--|--|--|
| AC Input Mode | | | | | |
| Input wave form | Pure sine wave | | | | |
| AC input voltage | 110V/120VAC±20% ;220/230/240VAC±20% | | | | |
| Low input voltage | 110/120VAC:70-90VAC(adjustable),80VAC(default) ; 220/240VAC:140-180VAC(adjustable),140VAC(default) | | | | |
| Max input voltage | 110/120VAC:130-145VAC(adjustable),137VAC(default) ; 220/240VAC:260-290VAC(adjustable),275VAC(default) | | | | |
| Input frequency | 50Hz/60Hz (auto sensing) | | | | |
| Efficiency (AC mode) | >95% (load, full battery) | | | | |
| Transfer time AC to DC | 8ms(Max) | | | | |

| | | | | | |
|---|-----|-----|-----|-----|-----|
| AC Charge Current (Max) | | | | | |
| 12V | 10A | 20A | 30A | 30A | / |
| 24V | 5A | 10A | 20A | 20A | 30A |
| Min charge current 5A, Change by every 5A | | | | | |

| | | | | | |
|---------------------------------|------------------------------|-----|------|----|----|
| Dimensions | | | | | |
| Mounting | Wall Mount | | | | |
| Dimensions (W*H*D) | 470*390*210mm | | | | |
| Ship Dimensions (W*H*D) | 580*380*270mm(2pcs / Carton) | | | | |
| Net Weight (Solar CHG)(kg) | 7.5 | 8.5 | 10.5 | 11 | 12 |
| Shipping Weight (Solar CHG)(kg) | 15 | 17 | 21 | 22 | 24 |
| OverloadWarranty | 1year | | | | |