

## WD series Low Frequency Pure Sine Wave Inverter 10KVA - 15KVA

### Features :

- ◆ 3 times peak power, excellent loading capability.
- ◆ AC prior/ECO mode/Battery prior selectable.
- ◆ AC charge current max 60A selectable.
- ◆ Battery voltage(charging/low voltage protect) selectable.
- ◆ Adding fault code to monitor real-time work situations.
- ◆ Continuous stable pure sine wave output with inbuilt AVR stabilizer.
- ◆ LCD display with multi-function, real-time display for dynamic values.
- ◆ Inbuilt automatic AC charger and AC mains switcher, switch time  $\leq 4$ ms.
- ◆ RS232/RS485 communication port/App optional.



### Specification

Model		AR-WD802	AR-WD103
Capacity	Rated power	10KVA/8KW	15KVA/10KW
	Peak power	30KVA/24KW	45KVA/30KW
Input	Standard battery voltage	48VDC	
	AC input voltage range	73~138VAC(110VAC) / 145~275VAC(220VAC)	
	AC input frequency range	45Hz~65Hz(50Hz/60Hz automatic recognition)	
Output	Conversion efficiency	$\geq 90\%$ (Battery mode); $> 99\%$ (AC mode)	
	Output voltage	110VAC $\pm 2\%$ / 220VAC $\pm 2\%$ (Battery mode); 110VAC $\pm 10\%$ / 220VAC $\pm 10\%$ (AC mode)	
	Output frequency	50/60Hz $\pm 1\%$ (Battery mode); Tracking Automatically(AC mode)	
	Output waveform	Pure Sine Wave	
	THD	$\leq 3\%$	
AC charger	AC charging current	0-40A adjustable	0-60A adjustable
	AC charging method	Three-stage(constant current, constant voltage, floating charge)	
Other	Transfer time	$\leq 4$ ms	
	Protection	with over-voltage, low-voltage, overload, short circuit, high temperature protections	
		overload 110%, automatic off after 20s; overload 120%, automatic off after 2s. > 150%, automatic shut down immediately	
	Display	LCD	
	Cooling way	Cooling fan in intelligent control	
Communication	RS232/RS485(Optional)		
Working mode (selectable)	d1	AC priority mode	
	d2	ECO priority mode	
	d3	Battery priority mode	
Work Environment	Operating temperature	-10°C~40°C	
	Storage temperature	-15°C~60°C	
	Elevation	2000m (More than derating)	
	Humidity	0%~95%, No condensation	
Physical	Dimension (L* W* H)	540*350*685 (mm)	
	Net weight	65 (kg)	70 (kg)
Packing	Dimension (L*W*H)	600*410*800 (mm)	
	Gross weight	80 (kg)	85 (kg)
	Quantity/CTN	1pcs per wooden box	

\* All specifications are subject to change without prior notice.