



 **nic** SERIES

1KW | 2KW | 3.5KW
OFF GRID INVERTER





Specification:

MODEL		ONIC2012PV2000	ONIC2012PV3000	ONIC2012PV5000
Input	Input Sources	L+N+PE		
	Rated Input Voltage	220/230/240VAC		
	Voltage Range	90–280VAC ±3V (APL Mode) / 170–280VAC ±3V (UPS Mode)		
	Frequency	50Hz / 60Hz (Auto Adaptive)		
Output	Rated Capacity	1000W	2000W	3500W
	Output Voltage	220/230/240VAC ±5%		
	Output Frequency	50/60Hz ±0.1%		
	Waveform	Pure Sine Wave		
	Transfer Time (Adjustable)	Computer (UPS Mode) 10ms, Appliance (APL Mode) 20ms		
	Peak Power	3200VA	3600VA	6000VA
Battery	Peak Efficiency (Battery Mode)	>94%	>94%	>94%
	Battery Voltage	12Vdc	12Vdc	24Vdc
	Constant Charging Voltage (Adjustable)	14.1Vdc	14.1Vdc	28.2Vdc
	Float Charging Voltage (Adjustable)	13.5Vdc	13.5Vdc	27Vdc
Chargers	PV Charging Mode	MPPT	MPPT	MPPT
	Max PV Input Power	1000W	2500W	4000W
	MPPT Tracking Range	30-500Vdc	30-500Vdc	30-500Vdc
	Best Voltage	300-400Vdc	300-400Vdc	300-400Vdc
	Max PV Input Voltage	500Vdc	500Vdc	500Vdc
	Max PV Charging Current	100A	100A	100A
	Max AC Charging Current	60A	60A	60A
	Max Charging Current	100A	100A	100A
Display	LCD Display	Display Running Mode / Loads / Input / Output etc.		
IP Rating	Protection	IP21 Protection		
InterFace	RS232	Baud Rate: 2400		
	Communication Port	Lithium Battery BMS Communication Card, WiFi Card, Dry Contact		
	Parallel Connect Interface	Without Parallel Connect		
Environments	Operating Temperature	-10 ~ 50°C		
	Humidity	20% ~ 95% (Non-condensing)		
	Storage Temperature	15°C ~ 60°C		
	Altitude	AltitudeNot over 1000m, Derating over 1000m, Max 4000m (Refer to IEC62040)		
	Noise	≤50dB		