

YOURWATT Nexon Series Inverter



- Built-in MPPT SolarCharger (100A / 120A / 160A)
- Wide PV Input Voltage Range 40V – 520V
- Dual MPPTs on 10kW & 12kW models (45A max)
- Dual AC In & Dual AC Out
- Support Meter / CT Connection
- Support Lithium & Lead-acid Battery
- Lithium Battery Activation
- Support Generator ATS Control
- Feed-in to Grid
- WiFi Monitoring (Optional / Built-in)
- Programmable Priority: PV / Battery / Grid

YOURWATT Nexon Series Hybrid Inverter

MODEL	Nexon 5024 3.6kW / 24V	Nexon 9048 6.5kW / 48V	Nexon 15048 12kW / 48V
PHASE	1-phase in / 1-phase out		
MAXIMUM PV INPUT POWER	5000W	9000W	15000W
RATED OUTPUT POWER	3600VA / 3600W	6500VA / 6500W	12000VA / 12000W
MAXIMUM CHARGING POWER	3600W	6500W	12000W
GRID OUTPUT (AC)			
Nominal Output Voltage	208 / 220 / 230 / 240 VAC		
Output Voltage Range	184~264.5 VAC or 195.5~253 VAC (Selectable)		
Nominal Output Current	15.7A	28.3A	52.2A
Power Factor	> 0.99		
Max Conversion Efficiency	92.7%	93%	94%
AC INPUT			
Acceptable Input Voltage	90~280 VAC or 170~280 VAC		
Frequency Range	50 Hz / 60 Hz (Auto sensing)		
Max AC Input Current	100A	120A	160A
PV INPUT (DC)			
Maximum DC Voltage	500 VDC	520 VDC	500 VDC
MPP Voltage Range	40~450 VDC	60~450 VDC	60~450 VDC
No. of MPP Trackers /	1 / 18A	1 / 28A	2 / 22.5A
Max Input Current			
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220 / 230 / 240 VAC		
Output Waveform	Pure Sine Wave		
Efficiency (DC to AC)	92.7%	93%	94%
BATTERY & CHARGER			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range	20~30 VDC	40~60 VDC	40~60 VDC
Nominal DC Voltage	24 VDC	48 VDC	48 VDC
Max Solar Charging Current	100A	120A	160A
Max AC Charging Current	100A	120A	160A
Maximum Charging Current	100A	120A	160A
PHYSICAL			
Dimension DxWxH (mm)	410 × 336 × 110	514 × 338 × 136.5	480 × 410 × 120
Net Weight (kgs)	6.2	10.7	14.5
INTERFACE			
Parallel Function	Not Supported	Not Supported	Not Supported
Communication Port	RS232 / USB / RS485	RS485 / USB / Dry Contact / CT / Meter	RS485 / RS232 / USB
Monitoring	WiFi (Optional)	WiFi (Built-in)	WiFi (Built-in)
ENVIRONMENT			
Humidity	0 ~ 100% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to +60°C	-10°C to +50°C	-10°C to +60°C
PROTECTION & CERTIFICATE			
Ingress Protection	IP43		
Safety / EMC Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-2/4, IEC 61683, IEC 62116, IEC 61727		