

**WEATHERPROOF
OUTDOOR
IP65**

**SPLIT PHASE
SOLAR INVERTER**

12 kVA

3 YEAR WARRANTY

**12000W
MAX PV POWER**

**120 ~ 240 VAC
120 ~ 208 VAC
SPLIT PHASE**

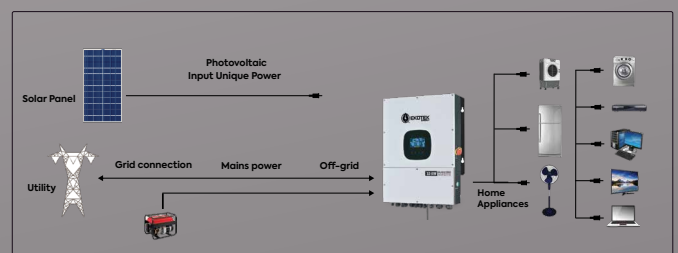
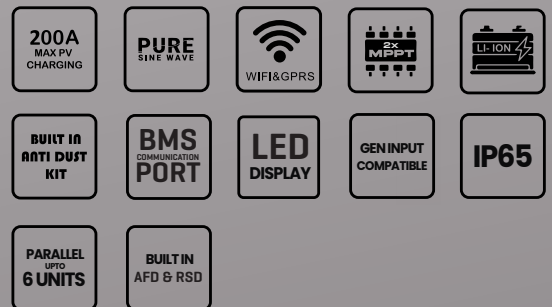
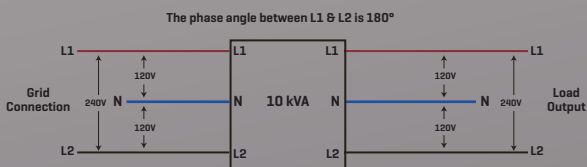


PRO II INVERTER 10000

10 kVA Split Phase Solar Inverter

ET01-1000-48PRO II

- Support multiple input & output-Split Phase 208/240VAC or Single Phase 230VAC
- Built-in AC coupled function
- Built-in WiFi for mobile monitoring (APP is available)
- Built-in 300A DC breaker and 60A AC breaker
- Accepts second input power source, generator input compatible
- Built-in arc fault detection (AFD) and rapid shutdown (RSD)
- External CT sensor to guarantee 100% self-consumption
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 6 units





PRO II INVERTER 10000	10 kVA
Phase	120V/240V Split Phase, 120V/208V Split Phase
Maximum PV Input Power	12000W
Rated Output Power	10,000VA/10,000W
Surge Power	10000W
Parallel Capability	6 units
GRID TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maxium DC Voltage	600VDC
Start-up Voltage / Inital Feeding Voltage	125VDC / 160VDC
MPPT Voltage Range	120VDC-550VDC
Maximum Input Current	2/18A (MAX 30A)
GRID OUTPUT (AC)	
Nominal Output Voltage	120VAC (P-N), 208VAC (P-P), 240VAC (P-P)
Output Voltage Range	105.5VAC – 132VAC (per phase)
Nominal Output Current	41.7A per phase
Power Factor	0.9 lag to 0.9 lead
OFF GRID-HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maxium DC Voltage	600VDC
Start-up Voltage / Inital Feeding Voltage	125VDC / 160VDC
MPPT Voltage Range	120VDC-550VDC
Maximum Input Current	2/18A (MAX 30A)
AC INPUT	
AC Start up Voltage / Auto Restart Voltage	85VAC (per phase) / 90VAC (per phase)
Acceptable input Voltage Range	90-140VAC (per phase)
Frequency Range	50Hz/60Hz
Maximum AC Input Current	60A per phase
AC OUTPUT	
AC Voltage Regulation	120VAC (P-N), 208VAC (P-P), 240VAC (P-P)
Efficiency (Peak) PV to INV	98.00%
Efficiency (Peak) BATT to INV	91.00%
Transfer Time	10ms (personal computer/ UPS) 20ms(home appliances) 50ms(for parallel system operation)*
DUAL LOADS AC OUTPUT	
Full Load	10000W
Max. Main Load	N/A
Max. Second Load (Battery Mode)	N/A
Main Load Cut Off Voltage	<170V AC per phase
Main Load Return Voltage	180V AC per phase
BATTERY & CHARGER	
Nominal DC Voltage	40-62VDC / 48VDC
Maximum Solar Charging Current	200A
Maximum AC Charging Current	200A
Battery Type Supported	Lead Acid/VRLA/AGM/Deep Cycle/Gel/Flooded/Tubular/Lithium-Ion
Overcharge Protection	Yes
Low Battery Alarming Voltage	Yes
Low Battery Cut Off Protection Voltage	Yes
GENERAL	
Dimensions (D*W*H) (mm)	215.5*515*798mm
Net Weight (kgs)	49
Communication Interface & Monitoring	SolarPower (PC), SolarPower (APP)
Ingress Protection	IP65