



EKOTEK
ENERGY

**SPLIT PHASE
SOLAR INVERTER**

6 kVA

3 YEAR WARRANTY

**6000W
MAX PV POWER**

**110VAC ~ 240VAC
SPLIT PHASE**

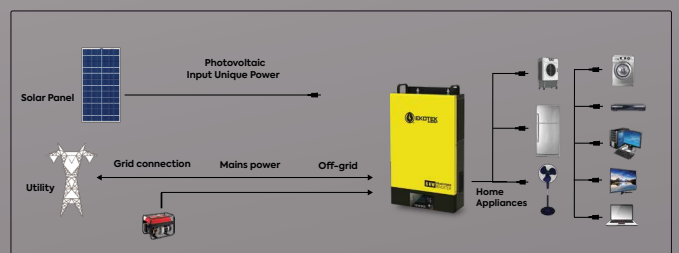
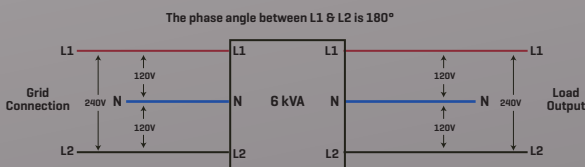


PRO II INVERTER 6000

6 kVA Split Phase Solar Inverter

ET01-6000-48PRO II

- Built-in transformer, supporting split phase operation
- Self-consumption and Feed in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current up to 120A
- Detachable LCD control module with multiple communications
- Built-in WI-FI for mobile monitoring (App is available)
- Reserved communication port for BMS (RS485)
- Parallel operation up to 9 units





PRO II INVERTER 6000		6 kVA
Phase	Split Phase	
Maximum PV Input Power	6000W	
Rated Output Power	6000W	
Surge Power	15000W	
Parallel Capability	9 units	
GRID TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maxium DC Voltage	360VDC/450VDC	
Start-up Voltage / Inital Feeding Voltage	110VDC/120VDC	
MPPT Voltage Range	120VDC-430VDC	
Maximum Input Current	1/27A	
GRID OUTPUT (AC)		
Nominal Output Voltage	110-120VAC (L-N) / 220-240VAC (L1-L2)	
Output Voltage Range	93.5-126.5VAC for 110VAC ; 102-138VAC for 120VAC	
Nominal Output Current	27.3A for 110VAC ; 25A for 120VAC	
Power Factor	>0.99	
OFF GRID-HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maxium DC Voltage	360VDC / 450VDC	
Start-up Voltage / Inital Feeding Voltage	110VDC / 120VDC	
MPPT Voltage Range	120VDC – 430VDC	
Maximum Input Current	1/27A	
AC INPUT		
AC Start up Voltage / Auto Restart Voltage	65 VAC (P-N), 130VAC (P-P) / 70VAC (P-N), 140VAC (P-P)	
Acceptable input Voltage Range	16-140VAC (Appliances) or 95-140VAC (Personal Computer)	
Frequency Range	57Hz – 62Hz	
Maximum AC Input Current	40A per phase	
AC OUTPUT		
AC Voltage Regulation	110-120VAC (L-N) / 220-240VAC (L1-L2)	
Efficiency (Peak) PV to INV	98.00%	
Efficiency (Peak) BATT to INV	95.00%	
Transfer Time	*10ms (personal computer/ UPS) 20ms(home appliances) 50ms(for parallel system operation)*	
DUAL LOADS AC OUTPUT		
Full Load	5000W	
Max. Main Load	N/A	
Max. Second Load (Battery Mode)	N/A	
Main Load Cut Off Voltage	<70V AC	
Main Load Return Voltage	95V AC ±3%	
BATTERY & CHARGER		
Nominal DC Voltage	48VDC	
Maximum Solar Charging Current	120A	
Maximum AC Charging Current	120A	
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)	138.4*365*593.6mm	
Net Weight (kgs)	26	
Communication Interface & Monitoring	USB/RS-232/RS-485/WIFI/Dry Contact	
Ingress Protection	IP20	