

**SINGLE PHASE
HYBRID INVERTER**

6 kVA

3 YEAR WARRANTY

**5000W
MAX PV POWER**

**220V~230V
OUTPUT VOLTAGE**

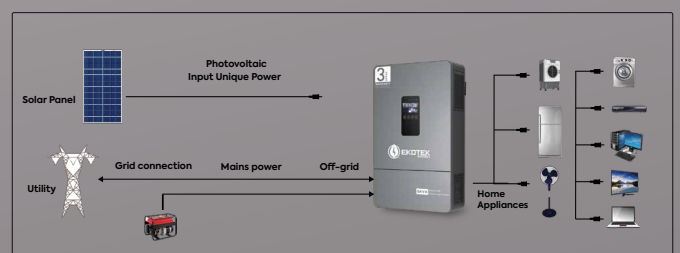


PRO INVERTER 6000

6 kVA Hybrid Solar Inverter

ET-01-6000-48PRO

- 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)
- 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 9 units





PRO INVERTER 6000		6 kVA
Phase	1 Phase / 3 Phase [3 units]	
Maximum PV Input Power	6000W	
Rated Output Power	5000W	
Surge Power	10000W	
Parallel Capability	9 Units	
GRID TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360/500V	
Start-up Voltage / Initial Feeding Voltage	120V DC	
MPPT Voltage Range	120-450V	
Maximum Input Current	1/18A	
GRID OUTPUT (AC)		
Nominal Output Voltage	208 / 220 / 230 / 240	
Output Voltage Range	90-280V AC	
Nominal Output Current	21.8A	
Power Factor	1	
OFF GRID-HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360/500V	
Start-up Voltage / Initial Feeding Voltage	120V DC	
MPPT Voltage Range	120-450V	
Maximum Input Current	1/12A	
AC INPUT		
AC Start up Voltage / Auto Restart Voltage	90-280V AC	
Acceptable input Voltage Range	90-280V AC or 170-280V AC	
Frequency Range	50Hz / 60Hz (Auto Adaptive)	
Maximum AC Input Current	20A	
AC OUTPUT		
AC Voltage Regulation	208 / 220 / 230 / 240 (Selectable)	
Efficiency (Peak) PV to INV	98%	
Efficiency (Peak) BATT to INV	94%	
Transfer Time	"10ms (personal computer/ UPS) 10ms(home appliances)"	
DUAL LOADS AC OUTPUT		
Full Load	5000W	
Max. Main Load	5000W	
Max. Second Load (Battery Mode)	2500W	
Main Load Cut Off Voltage	52V DC	
Main Load Return Voltage	54V DC	
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)	510*306*105mm	
Net Weight (kgs)	8.7	
Communication Interface & Monitoring	"RS323/RS458/ LCD DISPLAY/Bluetooth "	
Ingress Protection	IP20	