



EKOTEK
ENERGY

**HYBRID
SOLAR INVERTER**

7.2 kVA

**9000W
MAX PV POWER**

PROPLUS INVERTER 7200

6kVA Hybrid Inverter with
Inverter Protection Module



**3 YEAR
WARRANTY**

INVERTER PROTECTION MODULE



Undervoltage
Protector
63A

Undervoltage
Protector
63A

Surge
Protector
40KA

AC Breaker
(AC output)
63A

Battery
Breaker
150A

PV Breaker
25A

PV DC Surge
Protector
20-40KA



6000W
Pure Sine Wave



**No Battery
Operation**



**120A MPPT
Charging**



**LCD
Display**



**WIFI
Communication**



**Built-in PV
Combiner Box**



Uncompromised Performance

Full-load continuous operation capability with <1% THD maintains 100% rated power output across 250C-550C operating range.

Integrated System Reliability

All-in-one modular architecture eliminates interconnection losses, delivering 99.6% system stability across varying environmental conditions.

Extended Service Life

Double-sided conformal coating (IPC-CC-830B compliant) provides comprehensive protection against moisture, dust, and corrosion, extending MTBF by 30%.



BUILT-IN PROTECTION MODULE

Inverter Protection Module



All-in-One Solar Integration

Save Time & Money Built-in PV combiner box eliminates complex wiring, cutting installation steps by 50% and reducing system costs by 30% for instant energy independence.

Military-Grade Shield Safety

Triple-layer protection with 63A voltage/current guardians + 40kA surge defense (AC/DC) – sleeps soundly during storms or grid chaos.

Smart Power Fortress

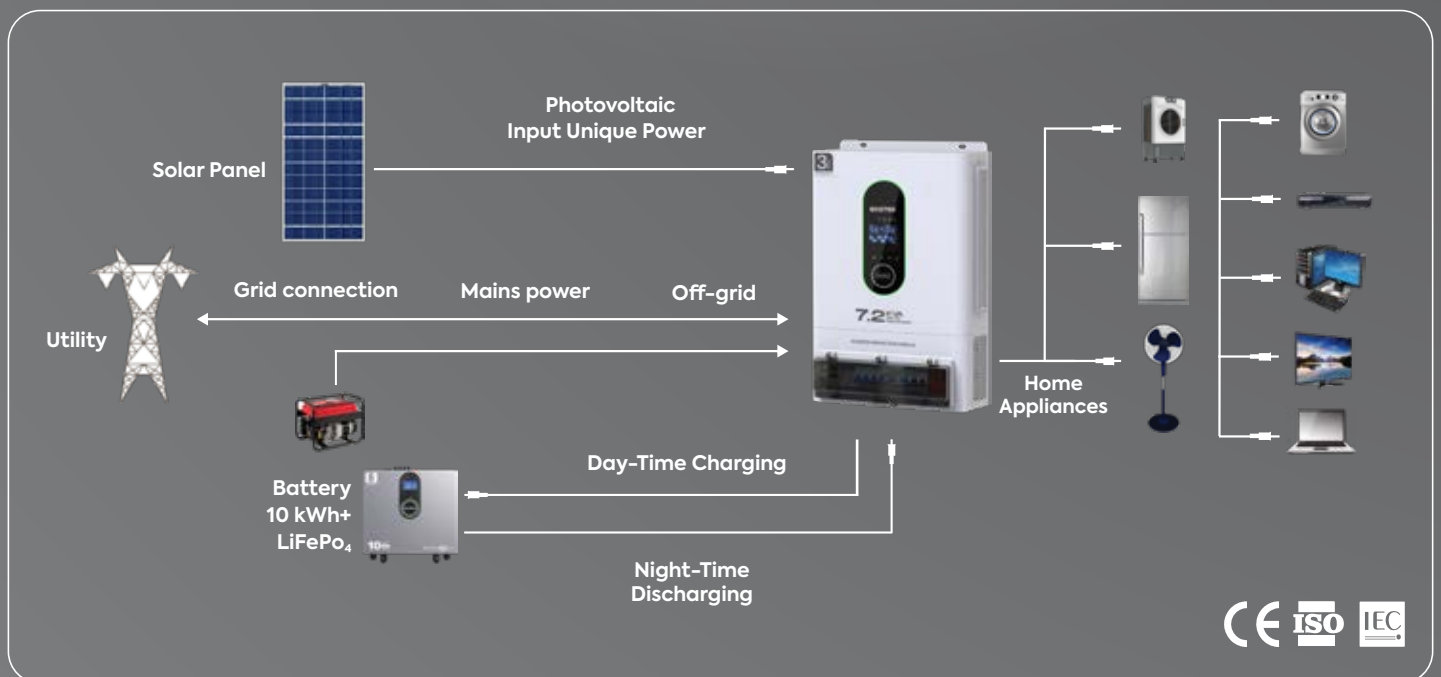
Industrial-strength circuit breakers (150A battery/63A AC/25A PV) auto-detect threats, stopping disasters before they start.

ALSO AVAILABLE IN A BUNDLE



Built-in Protection Module Parameters

Undervoltage Protector	63A
Surge Protector	40KA
AC Breaker (AC Input)	63A
AC Breaker (AC Output)	63A
Battery Breaker	150A
PV Breaker	25A
PV DC Surge Protector	20-40KA





PROPLUS INVERTER 7200	7.2kVA
AC INPUT	
Rated Voltage	208/220/230/240 VAC; L+N+PE
Voltage Range	Voltage Range 90~280 ± 3 VAC(Normal Mode); 170~280 ± 3 VAC(UPS Mode)
Frequency	50/60Hz (Auto Adaptive)
AC OUTPUT	
Rated Capacity	7.2kVA/6500W
Surge Power	13kVA
Voltage	208/220/230/240 VAC
Power Factor	1
Frequency	50/60Hz ± 0.1%
Switch Time	10ms (Normal Mode)/ 10ms (UPS Mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10m@102%~120% load; 1m@120%~150% load; 10s@150%~200% load; 5s@>200% load
Max. Efficiency (Battery Mode)	93% @ 48VDC
Parallel Quantity	N/A
CHARGER (PV/AC)	
Solar Charger Type	MPPT
Max. PV Input Current / Power	27A / 9000W
MPPT Range @ Operating Voltage	60~450 VDC
Max. PV Open Circuit Voltage	500 VDC
Max. PV Charge Current	120 A
Max. AC Charge Current	120 A
Max. Charge Current (PV + AC)	120 A
BATTERY	
Nominal Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	61 VDC
Battery Type	Lithium and Lead-Acid
INTERFACE	
Display	LCD Display
Communication	RS232 / RS485 / USB/ Dry Contact
Monitoring	WiFi (Built-In)
GENERAL DATA	
IP Rating	IP21
Operating Temperature	-10°C~50°C
Relative Humidity	5%~95% (Non-Condensing)
Storage Temperature	-15°C~60°C
Net Weight	9.5kg
Dimensions (W*D*H)mm	T.B.A.
Max. Operating Altitude	4000m (Derating above 1000m)