



EKOTEK
ENERGY

**SINGLE PHASE
HYBRID INVERTER**

3.6 kVA

2 YEAR WARRANTY

6200W

MAX PV POWER

220V~240V

OUTPUT VOLTAGE

**SINGLE PHASE
HYBRID INVERTER**

4.2 kVA

2 YEAR WARRANTY

6200W

MAX PV POWER

220V~240V

OUTPUT VOLTAGE



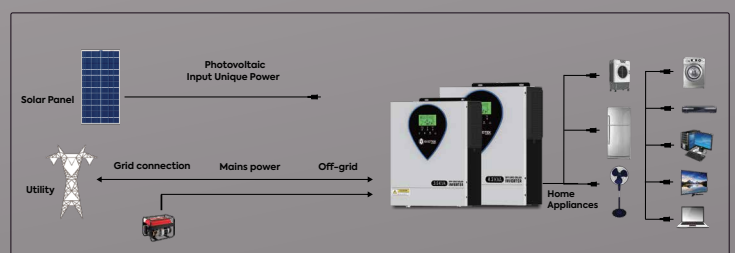
ECO INVERTER 3600 ECO INVERTER 4200

3.6 kVA & 4.2 kVA Hybrid Solar Inverter

ET01-3600-24ECO

ET01-4200-24ECO

- Pure sine wave solar inverter (On/Off Grid)
- Output power factor 1.0
- WIFI & and GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory settings
- Built-in Lithium battery automatic activation
- Built-in 120A MPPT Solar Charge: Max 6200W (for 3.6KW/4.2KW)
- High PV input voltage range (60V DC~500V DC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual communication ports for Battery communication and Wifi communication





ECO INVERTER	ECO INVERTER 3600 3.6KVA	ECO INVERTER 4200 4.2KVA
Phase	1 Phase	1 Phase
Maximum PV Input Power	6200 W	6200 W
Rated Output Power	3600 W	4200 W
Surge Power	7200 W	8400 W
Parallel Capability	NO	NO
GRID TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maxium DC Voltage	360/500V DC	360/500V DC
Start-up Voltage / Inital Feeding Voltage	60V DC / 90V DC	60V DC / 90V DC
MPPT Voltage Range	60-450V DC	60-450V DC
Maximum Input Current	1/18A	1/18A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240V AC	220/230/240V AC
Output Voltage Range	195-253V AC	195-253V AC
Nominal Output Current	15.7A	18.2A
Power Factor	>0.99	>0.99
OFF GRID-HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maxium DC Voltage	360/500V DC	360/500V DC
Start-up Voltage / Inital Feeding Voltage	60V DC / 90V DC	60V DC / 90V DC
MPPT Voltage Range	60-450V DC	60-450V DC
Maximum Input Current	1/18A	1/18A
AC INPUT		
AC Start up Voltage / Auto Restart Voltage	120-140V AC / 180V AC	120-140V AC / 180V AC
Acceptable input Voltage Range	90-280V AC or 170-280V AC	90-280V AC or 170-280V AC
Frequency Range	59-61 ± 1 Hz	59-61 ± 1 Hz
Maximum AC Input Current	21.1V	24.7V
AC OUTPUT		
AC Voltage Regulation	230VAC ± 5%	230VAC ± 5%
Efficiency (Peak) PV to INV	98%	98%
Efficiency (Peak) BATT to INV	94%	94%
Transfer Time	"10ms (personal computer/ UPS) 20ms(home appliances)"	"10ms (personal computer/ UPS) 20ms(home appliances)"
DUAL LOADS AC OUTPUT		
Full Load	3600W	4200W
Max. Main Load	3600W	4200W
Max. Second Load (Battery Mode)	1200W	1400W
Main Load Cut Off Voltage	26V DC	26V DC
Main Load Return Voltage	27V DC	27V DC
BATTERY & CHARGER		
Nominal DC Voltage	24V DC	24V DC
Maximum Solar Charging Current	120A	120A
Maximum AC Charging Current	100A	100A
Battery Type Supported	Lead Acid/VRLA/AGM/Deep Cycle/Gel/Flooded/ Tubular/Lithium-Ion	Lead Acid/VRLA/AGM/Deep Cycle/Gel/Flooded/ Tubular/Lithium-Ion
Overcharge Protection	Yes	Yes
Low Battery Alarming Voltage	Yes	Yes
Low Battery Cut Off Protection Voltage	Yes	Yes
GENERAL		
Dimensions (D*W*H) (mm)	420*350*110	420*350*110
Net Weight (kgs)	8	8
Communication Interface & Monitoring	"RS323/RS458/ LCD DISPLAY Wifi/Bluetooth (optional) "	"RS323/RS458/ LCD DISPLAY Wifi/Bluetooth (optional) "
Ingress Protection	IP20	IP20