

KOSS

INVEREX PRO

Features:

- Modified Sine Wave Inverter
- Automatic Line to Battery transfer
- Rack / Tower design for installation versatility
- Adjustable wider input voltage range and charging current
- Intelligent charging control, efficient charging
- Auto restart when main power is restored
- Superior protection: low battery, overcharge, overload, overtemperature and short circuit
- High load-bearing capacity, supporting various household loads and IT equipment (< 50% half-wave load, <30% inductive load)



KOSS INVEREX PRO **1200VA ~ 2400VA** **Modified Sine Wave Inverter**

Our Inverex Pro is a DC to AC inverter with an auto line to battery transfer and integrated charging system, serving as an extended-run UPS. It supplies power from AC power and DC source. Inverex Pro can function as a standalone power source or a home inverter as well. When the AC cable is connected to a wall outlet, utility power goes to connected equipment and charges the batteries via the charging system. In battery modes, it automatically converts battery energy into AC power for backing up the connected device.

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1200VA ~ 2400VA
Modified Sine Wave Inverter

MODEL	IV PRO-1200W	IV PRO-1500W	IV PRO-2400W
Capacity	1200VA / 720W	1500VA / 900W	2400VA / 1440W
INPUT			
Rated voltage	220/230/240 Vac (selectable)		
Voltage range	220/230/240 Vac, 22% / -59% / +26%, +- 5Vac (selectable)		
Rated frequency	50 / 60 Hz (auto sensing)		
Frequency range	+- 10%(default), +- 5%-15%(Selectable)		
OUTPUT			
Power factor	0.6		
Output voltage	Battery mode: 220 / 230 / 240 Vac +- 10% (selectable) Mains mode: synchronized with utility power		
Output frequency	Battery mode: 50 / 60 Hz +- 1 % (selectable); Mains mode: synchronized with utility power		
Output waveform	Battery mode: square wave; Mains mode: synchronized with utility power		
Inversion efficiency	> 83% (Max)		> 85% (Max)
IT equipment	Yes		
Half-wave load	< 50% (rated load)		
Inductive load	< 30% (rated load)		
BATTERIES			
Rated voltage	12 Vdc		24Vdc
Charging current (Max)	20/ 10A +- 3A (selectable)		15/ 10A +- 3A (selectable)
Equalizing charge voltage	Single battery 14.2 +- 0.3 Vdc (default), 13.6 ~ 15.0 Vdc (selectable)		
Floating charge voltage	Single battery 13.6 +- 0.3 Vdc		
Low voltage alarm	Single battery 10.8 +- 0.3 Vdc (default), 9.6 - 13.0 Vdc (selectable)		
Low voltage shutdown	Single battery 10.2 +- 0.3 Vdc (default), 9.6 - 12.0 Vdc (selectable)		
Overvoltage protection	Single battery 15.0 +- 0.3 Vdc		
Overvoltage recovery	Single battery 13.6 +- 0.3 Vdc		
SYSTEM			
Transfer time	< 8 ms (typical), < 15 ms (max.)		
Protections	Overload, short circuit, over-temperature, output over/under-voltage, excessive low battery		
Overload times (Main mode)	> 110% for 120 s, > 125% for 60 s, > 150% for 10 s, > 200% for 1 s		
Overload times (Battery mode)	> 110% for 60 s, > 1 25% for 5 s, > 150% for 1 s		
Communication interface	No		
Panel display	LCD + LED		
OTHERS			
Operating temperature	0 - 45 °C		
Operating humidity	0 - 95% (no condensing)		
Altitude	< 1000 m (Above 1000 m, derating 1 % for each additional 100 m)		
IP rating	IP 20		
Cooling	Forced-air cooling		
Noise	< 45dB		
Dimensions (W x D x H) (mm)	245 X 220 X 80		
Packaged dimensions (W x D x H) (mm)	315 X 290 X 156		
Net weight (kg)	2.66	2.68	2.82
Gross weight (kg)	3.02	3.04	3.18