

IM Series Modular Inverter

1.5KVA

FEATURES

- Pure sine wave
- Hot swappable
- Smart fan speed control
- Wide operation temperature range
- DSP chip designed
- N+X redundancy system
- Lower audible noise
- High power density
- RCP bus
- 48V DC telecom system application
- CE & RoHS compliant



SPECIFICATIONS

DC INPUT

Operating voltage range 40.5-58V DC

AC OUTPUT

Nominal output voltage 230V AC

Output voltage tolerance +/- 2%

Output voltage frequency 50/60Hz selectable

Output frequency tolerance +/- 0.5%

Total harmonic distortion <3% on linear loads, <5% for non linear loads

Turn on delay <3 seconds

Crest factor 3:1 (nominal power)

Efficiency 90%

OUTPUT POWER

Nominal value 1000VA, 800W / 1500VA, 1200W

Overload (5 Seconds) 2000VA

Permanent overload 10%

Admissible load power factor 0 inductive to 0 capacitive. (100% load)

Permanent overload 10%

Isolation Input/Output: 2500V AC
Output/Earth: 2500V AC
Input Earth: 1500V AC

Operating temperature range 40°C to +50°C, derated to +70°C

Acoustic noise <55dBa @ 1m

Display 3x LEDs
Fail
Off normal
Power on

Serial comms SBI interface to SM3X supervisory module

MECHANICAL

Dimensions 215mm , 43.8mm (1U), 270mm overall
W, H, D

Weight 2.5kg

Cooling Forced cooled

COMPLIANCES

Immunity CISPR24

Emissions CISPR22 Class B

Safety IEC60950

Other CE & RoHS compliant

ADDITIONAL ACCESSORIES

AIS-2-1U Inverter shelf 19" 1U, 2 inverter position

AIBP-IM Inverter blanking panel

Other options Consult Powerbox Sales.

MODEL NUMBER	INPUT / RANGE	OUTPUT	POWER
IM15230-48	48V (40.5-58V)	230V AC	1.5kVA, 1200W