

Phoenix Compact Series

180 - 750VA INVERTER

FEATURES

- True Sinewave
- Hybrid HF technology
- Isolated input to output
- High efficiency
- Compact size
- Light weight
- Surge power
- LED diagnosis
- Remote on/off switch
- ON / OFF switch
- Chassis mounting



INVERTERS

SPECIFICATIONS

INPUT	
Nominal input voltage range	12V DC (10.5 - 15.5) 24V DC (21 - 31) 48V DC (42-62)

Low battery alarm	12V (11,0), 24V (22), 48V (44) V DC
Low battery shut down	12V (10,5), 24V (21), 48V (42) V DC

OUTPUT	
Zero load power	180VA 12V (2.6W) 24V (3.8W) 350VA 12V (3,1W), 24V (5,0W), 48V (6,0W) 750VA 12V (14W), 24V (14W), 48V (13W)
Low battery auto recovery	12V (12,5), 24V (25), 48V (50) V DC
Output AC voltage	230VAC +/- 3%, 110VAC +/-3% optional
Frequency	50Hz +/- 0,1%
Continuous AC power at 25 °C	180VA, 12/180 - 24/180 models 350VA, 12/350 - 48/350 models 750VA, 12/750 - 48/750 models
Crest factor	3:1 non linear load
Continuous power at 25 °C / 40 °C	300W / 250W 700W / 650W
Peak power	See table
Maximum efficiency	See table

PROTECTION	
Input	Battery voltage too high
Battery	Voltage too low
Output	Output short circuit overload
Temperature too high	

STANDARDS	
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Safety	EN60335-1
Emission Immunity	EN55014-1 / EN55014-2

ENVIRONMENTAL	
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Operating temperature	-20 to +50°C (fan assisted cooling)
Humidity	Max 95% (non condensing)

MECHANICAL	
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Material	Aluminium
Battery connection	180VA (12/180) battery cable of 1.5m with cigarette plug 180-350VA Battery cables of 1.5 meter 750VA screw terminals
Standard AC outlets	2 x IEC-320 sockets (IEC-320 plug included)
Protection category	IP 20
Weight	180VA 2.7kg 350VA 3.5kg 750VA 2.7kg
Dimensions	180VA 72 x 135 x 200 (hxwxh in mm) 350VA 72x155x237 (hxwxh in mm) 750VA 72x180x295 (hxwxh in mm)

SELECTION TABLE

MODEL NUMBER	DC INPUT	CONSTANT POWER	EFFICIENCY	PEAK POWER
Phoenix 12/180	12 VDC	180VA	87%	350W
Phoenix 24/180	24 VDC	180VA	88%	350W
Phoenix 12/350	12V DC	350VA	89%	700W
Phoenix 24/350	24V DC	350VA	89%	700W
Phoenix 48/350	48V DC	350VA	90%	700W
Phoenix 12/750	12V DC	750VA	91%	1400W
Phoenix 24/750	24V DC	750VA	93%	1400W
Phoenix 48/750	48V DC	750VA	94%	1400W

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INVERTERS

350 - 750VA INVERTER

TECHNICAL ILLUSTRATION

Phoenix Inverter 12 Volt

