



victron energy
B L U E P O W E R

New Phoenix Inverters

- Pure sine wave output: suitable to supply sensitive electronic equipment
- Microprocessor control: excellent protection against accidental misuse
- Battery cables included (180 VA and 350 VA models): easy to install (model 12/180 with cigarette plug)
- With terminal for remote on/off switch
- Available with IEC-320 receptacle (IEC-230 plug included), or with Schuko receptacle

Specifications

Phoenix inverter	12/180	12/350	12/650	24/180	24/350	24/650
Input voltage range (V DC)	10,5 - 15,0	10,5 - 15,0	10,5 - 15,0	21,0 - 30,0	21,0 - 30,0	21,0 - 30,0
DC automatic restart voltage (3)	12,5	12,5	12,5	25,0	25,0	25,0
Output voltage (1)	230 V ± 3%					
Output frequency (2)	50 Hz ± 0,3%	50 Hz ± 0,3%	50 Hz ± 0,05%	50 Hz ± 0,3%	50 Hz ± 0,3%	50 Hz ± 0,05%
Cont. power at 25 °C (VA) (4)	180	350	650	180	350	650
Cont. power at 40 °C (W)	150	300	600	150	300	600
Peak power (W)	200	400	800	200	400	800
Max. efficiency (%)	90	90	90	92	93	93
Zero-load power (W)	2,2	2,8	5,5	3,8	3,8	6,8
Fan assisted cooling	Yes, temperature controlled					
Protection (5)	a - e					
Operating temperature range	-20 to +50°C					
Humidity (non condensing)	max 95%					
ENCLOSURE						
Material & Colour	aluminium (blue Ral 5012)					
Battery-connection	180 VA and 350 VA: battery cables of 1.5 meter			650 VA: DC terminals		
230 V AC-connection	IEC 320 (IEC-320 plug included) or Schuko					
Protection category	IP 20					
Weight (kg)	2,7	3,5	2,7	2,7	3,5	2,7
Dimensions (hwxwd in mm)	72x132x200	72x155x237	72x180x295	72x132x200	72x155x237	72x180x295
ACCESSOIRES						
Remote on-off switch	Yes, connector available					
Recommended automatic transfer switch	Filax					
STANDARDS						
Safety	EN 6335-1					
Emission / Immunity	EN55014-1, EN 55014-2, Automotive Directive 95/54/EC					

1) 115 V AC on request
 2) 60 Hz on request
 3) Input voltage needed for automatic restart after low voltage shutdown
 4) Non linear load, crest factor 3:1

5) Protection
 a. Output short circuit
 b. Overload
 c. Battery voltage too high
 d. Battery voltage too low
 e. Over temperature

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