



**victron energy**  
B L U E P O W E R

# Phoenix Inverters



## New Phoenix Inverters

- Pure sine wave output: suitable to supply sensitive electronic equipment
- Ring core transformer: high efficiency
- Microprocessor control: excellent protection against accidental misuse
- Battery cables included: easy to install (model 12/180 with cigarette plug)
- With terminal for remote on/off switch
- With IEC-320 receptacle (IEC-230 plug included)

## Specifications

Phoenix inverter	12/180	12/350	24/180	24/350
Input voltage range (V DC)	10,5 - 15,0	10,5 - 15,0	21,0 - 30,0	21,0 - 30,0
DC automatic restart voltage (3)	12,5	12,5	25,0	25,0
Output voltage (1)	230 V ± 5%			
Output frequency (2)	50 Hz ± 0,3%			
Cont. power at 25 °C (VA) (4)	180	350	180	350
Cont. power at 40 °C (W)	150	300	150	300
Peak power (W)	200	400	200	400
Max. efficiency (%)	91	92	92	93
Zero-load power (W)	2,2	2,8	3,8	3,8
Fan assisted cooling	Yes, temperature controlled			
Protection (5)	a - e			
Operating temperature range	-20 to +50 °C			
Humidity (non condensing)	max 95%			
<b>ENCLOSURE</b>				
Material & Colour	aluminium (blue Ral 5012)			
Battery-connection	Battery cables of 1.5 meter			
230 V AC-connection	IEC 320 (IEC-320 plug included)			
Protection category	IP 20			
Weight (kg)	2,7	3,5	2,7	3,5
Dimensions (hxxd in mm)	72x132x200	72x155x237	72x132x200	72x155x237
<b>ACCESSOIRES</b>				
Remote on-off switch	Yes, connector available			
Recommended automatic transfer switch	Filax			
<b>STANDARDS</b>				
Safety	EN 60950			
Emission / Immunity	EN 50081-1, EN55014 / EN 55014-2			

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