

Inverter Module

Type WR-5073



Important Advantages

- Switch mode inverter
- High efficiency
- Excellent dynamic regulation
- High short-circuit current
- Short circuit proof
- Compact design
- Low weight
- Deep discharge protection for battery
- Electronic bypass
- N resp. N+1 operation (optional)
- Battery filter



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POWER SUPPLIES - since 1948

Technical Data Type WR-5073

Nominal power	VA	1000	1500	2500	3000
	24 V-		X		
	48 V-			X	
	60 V-	X		X	X
	110 V-	X		X	X
	220 V-	X		X	X
Input voltage tolerance	V	-15 +20% ($\leq 48V$ -10 +20%)			
AC output voltage	V	$230 \pm 1\%$			
Output frequency	Hz	25 / 83,3 / 100 / 50 $\pm 0,1\%$			
Distortion factor	%	≤ 3 (at linear load)			
Power factor		Independent, rated power is reduced, if power factor deviates from 0.8 lagging			
Efficiency	%	81 ... 91			
Overload behavior		125% for 10 min., 110% for 20 min.			
Short circuit behavior		Short circuit proof, $I_k = 3 \times I_N$ for 20 msec., afterwards $2 \times I_N$ for 5 sec.			
Audibel noise	dB(A)	≤ 55			
EMC		EN 61000-6-2, EN 61000-6-4			
Test voltages					
Input - output	kV AC	3,75			
Input, output – ground	kV AC	2			
Cooling		„AF“ forced convection / „AN“ natural convection According to design			
Permissible altitude		1000 m above sea level			
Permissible climate		Indoor, 3K3 according to EN 60721-3-3			
Ambient temperature	°C	-5 ... +40			
Dimensions	mm	According data sheet			
Protection class		IP20, according to EN 60529			

Design

19"-housing or partial for mounting
In-/Output on terminals
Front connection
On-off switch for inverter
Operation mode selection switch:
- Continuous operation
- Standby operation
- Start-up operation

Functions

The inverter operates with most modern power transistors in PWM technique.
DC in- and AC output are electrically isolated.
An uninterrupted electronic bypass is included.

Protection and monitoring facilities:

Overload- and short circuit protection
Undervoltage at the input
Over- / and undervoltage at the output

Indications (LEDs in front panel):

- Load voltage o.k.
- DC voltage o.k.
- Load on inverter
- Load on AC mains
- Inverter fault
- Phase o.k.
- Operation

Remote alarm (2 floating contacts):

- Inverter fault
- Inverter operation

Options

External remote signals
Special frequencies

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subject to change without notice

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