

## R SERIES (6-10 KVA)



Temiz enerji



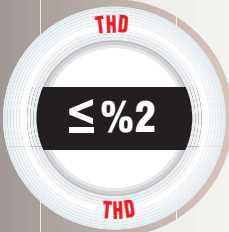
Yüksek verim



Doğa dostu teknoloji



Tüm cihazlara Uyumlu



19" Rack Mount on line power protection

Adding also 6-10 KVA products, we have placed high performance of C series into server cabinets. Thus, user-friendly product with LED or LCD display and none unnecessary details have become a component of RACK cabinets.

19" Rack Mount on line güç koruması

6-10 KVA ürünleri de ekleyerek, C serisinin yüksek performansını server kabinlerinin içine koyduk. Böylece kullanıcı dostu, gereksiz detaylardan arındırılmış, LCD veya LED ekranlı on line ürün RACK kabinlerinin bir bileşeni haline geldi.

**TECHNICAL SPECIFICATIONS**

MODEL	R SERIES	R6K	R6KS	R10K	R10KS
Input rectifier	Power (VA/Watt)	6000VA/4200W		10000VA/7000W	
	3 units working in parallel	18000VA/12600W		30000VA/21000W	
	Number of phase and voltage	220 VAC, 1 phase + neutral			
	Voltage tolerance	176~276 VAC $\pm$ 3%			
	Power factor	<sup>3</sup> 0.98			
	current (maximum)	23 A		37 A	
	Frequency	46 ~ 54 Hz, generator can be set to work			
Output inverter by-pass	Power factor range	0.65~1.0 (nominal)			
	Voltage and Voltage tolerance	220 VAC $\pm$ 1%			
	Dynamic response	50%~100%-50% load change $\epsilon$ 5%, 0-100%-0 load change, for 6 kVA 13%, for 10-20 kVA 12% change between			
	Correction time	0 - 100% - 0 load change for 6 kVA 100 ms, for 10-20 kVA, within 120 ms, entry into the 2% tolerance			
	Frequency and Frequency range	From battery operation 50 Hz, $\pm$ %0.2 Hz			
	Voltage waveform	Sinüzodial			
	Total harmonic distortion	Linear load $\epsilon$ 2%, Non-linear load $\epsilon$ 6%			
	Crest factor	3 : 1			
	Overload capacity	105% ~ 130% load 10 min, > 130% load 1 sec. after the by-pass transfer, 1 min. after the closure (network mode)			
	Short-circuit protection	Electronic short circuit protection			
	By-pass and the transfer time	Standard static by-pass, network to battery mode, Inverter uninterruptible, by-pass transition time of 0 sec.			
	By-pass range and setting	Adjustable in the range of 176 ~ 261 VAC, by-pass can be disabled or can be activated for use in stand-by			
	Battery	Type and battery placement	Dry type battery, or an external type in an optional UPS		
Capacity and pieces		12V 7Ah x 20 pcs	Wihout batteries	12V 9Ah x 20 pcs	Wihout batteries
Backup time (%100-%50 load)		6/17 minute	-	4/12 minute	-
Nominal charging voltage		220/274 $\pm$ 1%		220/270 $\pm$ 1%	
Discharge end voltage		220 $\pm$ 3 VDC			
Battery charge current		2 A	4.5 A	2 A	4.5 A
Battery charge time		< 5 Hour			
Indicators and control	Type	Graphic LCD display			
	Control panel	Touch keys (on / off, audible alarm cancellation, up / down, enter)			
	Measurements and alerts	Input/output, voltage & Frequency, load %, Battery capacity			
Protection	Overload	Electronic overload protection after a period of uninterrupted transfer to by-pass			
	Short circuit	Automatic inverter shutdown			
	Overheated	Internal temperature is 90 °C, the load is transferred by-Pass, <80 °C inverter is running			
	Modem/network protection	For Modem / Network line surge voltage protection (Optional)			
Audible warnings	Alerts	Buzzer, audible warning can be disabled by pressing cancel. Battery operation, low battery, UPS fault, overload, short circuit, excessive heat and so on. different audio signals for fault conditions.			
Communication	Interface and protocol	Communication port RS232 (DB9 type), optional support for SNMP or AS400			
	Software	Free, over a network that allows access and control a single UPS is monitored on the screen a large number of software and the Windows family, Linux, Sun Solaris 7/8/9, IBM Aix 4.3 & 5.1x, HP UX 11.x, Compaq True 64, SGI Irix Free BSD, Unix System, Apple Macintosh support			
Options	Total efficiency at 100% load	> 90%		<sup>3</sup> 90%	
	Noise level	<55 dBA			
	Electromagnetic compatibility	EN 59001-2, EN 62040-1-1, EN 62040-2 (EMI), EN 61000-2-2, EN 61000-4-2 (ESD), EN 61000-4-3 (RS), EN 61000-4-4 (EFT), EN 61000-4-5 (Surge)			
	Operating temperature and humidity	0 °C ~ 40 °C, maximum 2% ~ 90% (non-condensing)			
	Storage temperature	-25 °C ~ 70 °C			
	Protection class	IP 20			
	Cooling mode	The fan and the cooling load-dependent variable			
	Working height	< 2000 m (sea level)			
	UPS dimensions (WxDxH) mm	483x222x600 (5U)			
	Battery cabinet dimensions (WxDxH) mm	483x222x912 (2U)			
Weight, UPS+ Battery module kg	35+62 (total 97)	35	38+68 (total 106)	38	