

KR PLUS - KR PLUS XL

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MODEL*		KR10D 3/1	KR15D 3/1	KR20D 3/1	KR10S Plus	KR15S Plus	KR20S Plus	KR30S Plus	KR40S Plus	
POWER	KVA	10	15	20	10	15	20	30	40	
	KW	9	13,5	18	10	15	20	30	40	
INPUT	Rated Voltage	400V three-phase+neutral								
	Voltage Tolerance	±20% @100% load, -40/+20% @50% load								
	Rated frequency	40 - 70 Hz								
	Power Factor	≥ 0,99								
	Current distortion (THDi)	3/1	≤ 5% at full load		≤ 3% at full load					
OUTPUT	Rated voltage	3/1	220/230/240 V single-phase+neutral		380/400/415 V three-phase+neutral					
		3/3	380/400/415 V three-phase+neutral							
	Voltage stability	±1% (static load)								
	Frequency	50/60 Hz								
	Frequency stability	±0,01% (free running)								
	Power factor	0.9			1					
	Crest factor	3:1								
	Voltage distortion	≤2% with linear load, ≤5% with distorting load								
	Overload	110% for 60 minutes, 125% for 10 minutes, 150% for 1 minute								
	BATTERIA	Number per string (batt 12V)	32-40 configurable			26-40 config.	32-40 configurable			
Max. charging current**		10 A	15 A	21 A	10 A	15 A	21 A	30 A	39 A	
Common battery for parallel configuration		Supported								
Max internal battery quantity		Standard	40 batteries 12V/7-9 Ah						N.A.	
	XL	160 batteries 12V/7-9 Ah						120 batteries 12V 7/9 Ah		
EFFICIENCY	VFI mode	Up to 95%								
	ECO mode	Up to 98%								
	In battery	Up to 94%								
BYPASS	Rated voltage	3/1	220/230/240 V single-phase+neutral		380/400/415 V three-phase+neutral					
		3/3	380/400/415 V three-phase+neutral							
	Voltage tolerance	Basic window ±10% (programmable ±5% - ±15%) Critical window ±25% (programmable ±16% - ±30%)								
	Frequency	50/60 Hz								
GENERAL	Frequency tolerance	±1 Hz / ±3 Hz (selectable)								
	Parallel connection	Up to 6 units								
	Dimensions (WxDxH) mm	Standard	260x850x890							
		XL	440x850x1570							
	Weight (kg)	Standard	74	76	76	74	76	76	85	88
XL					142	144	144	145	148	
CONNECTIVITY	Grado di protezione	IP 20								
	User interface	4.3" colour LCD touch screen display with removable SD card								
	Built-in communication ports	USB, RS232, EPO, 1 in/3 out dry contact relays (programmable) and additional slots for optional cards								
	Optional accessories	Cards: SNMP, RS-485 ModBus, 6 in/6 out dry contact relays, touch panel for remote monitoring								
ENVIRONMENTAL PARAMETERS	Operating temperature***	0-40°C								
	Relative humidity	0-95% (non-condensing)								
	Altitude (a.s.l.)	<1000 m with no power derating, >1000 m with 1% derating for every 100 m.								
	Audible noise at 1 m.	<52 dBA						<55 dBA		
REGULATIONS	Standards	IEC EN 62040-1, IEC EN 62040-2, IEC EN62040-3								
	Marking	CE, UKCA								

*Models KRD: dual inputs (3/3 or 3/1); Models KRS: single input (3/3) ** Subject to conditions *** To be verified according to the battery parameters