

HIGH PERFORMANCE COMBI INVERTER

1000 / 2000 W Pure sine wave

SC Series

Model		SC 1000-212	SC 1000-224	SC 2000 - 212	SC 2000 - 224	
inverter settings	AC-output	output voltage	200 / 220 / 230 / 240 VAC +/- 3 %		200 / 220 / 230 / 240 VAC +/- 3 %	
		continuous power	1000 W VA (+/-0,3%)		2000 W VA (+/-0,3%)	
		overload	Load 101 - 115 % (1min) 2000 W VA (1sec)		Load 101 - 115 % (1min) 4000 W VA (1sec)	
		curve form	pure sine (THD <3%)@Linear load ¹			
		Frequency	50 / 60 Hz +/- 0,3% (adjustable)			
		capacity (max.)	90 %			
		Short circuit protection (1sec)	yes			
		WR AC output	5 A max		10 A max ²	
		AC output / with mains	5 A max. /35A max. ²		10 A max. /40 A max. ³	
	DC-input	nominal voltage	12 VDC	24 VDC ³	12 VDC	24 VDC
		Input voltage range	10,5-16,5 VDC +/-0,3 V	21 - 33 VDC +/- 0,5 V	10,5-16,5 VDC +/-0,3 V	21 - 33 VDC +/- 0,5 V
		without load current	3,0 A	1,5 A	4,0 A	2,0 A
		Input current max	130 A	65 A	260 A	130 A
		Stand By current	0,2 A	0,1 A	0,2 A	0,1 A
		Input overvoltage protection	16,5 VDC +/-0,3 V	33 VDC +/- 0,5 V	16,5 VDC +/-0,3 V	33 VDC +/- 0,5 V
		Input undervoltage protection	10,5 VDC +/- 0,3 V	21 VDC +/- 0,5 V	10,5 VDC +/- 0,3 V	21 VDC +/- 0,5 V
	protection functions	input protection	Reverse polarity protection (internal fuse) / undervoltage protection / overvoltage protection			
		AC output protection	Short circuit / overload			
		AC input protection	30 amp circuit breaker			
		Temperature protection	Switch off / autom. restart			
Battery temperature protection		With RJ11 connection to battery temperature sensor				
loader settings	AC input	Rated voltage / frequency	230 VAC , 50/60 Hz			
		AC Input voltage range	180 - 264 VAC			
		AC Input frequency range	47 - 63 HZ			
		AC Nominal current	3,9 A (@230VAC)		7,9 A (@230VAC)	
		Efficiency Full load	>90 %			
		AC Input max.	30 A max ⁴			
		Power factor correction	> 0,95 (max)			
	DC output	Charge current range (adjustable dip switch)	12,5/25/37,5/50 A	6,25/12,5/18,75/25 A	25/50/75/100 A	12,5/25,5/27,5/50 A
		2. Loader output	20 A			
		Max output voltage	14,7 VDC	29,4 VDC	14,7 VDC	29,4 VDC
		Battery temp. compensation	-25 mV / °C	-50 mV / °C	-25 mV / °C	-50 mV / °C
	Battery control 3-stage battery charger	bulk voltage	14,7 VDC	29,4 VDC	14,7 VDC	29,4 VDC
		Absorption voltage	14,3 VDC	28,6 VDC	14,3 VDC	28,6 VDC
		Flow voltage	13,1 VDC	26,2 VDC	13,1 VDC	26,2 VDC
	Bypass Relay	Relay features	40 Amp / 250 VAC			
switchover		< 16 ms				
Environment	working temperature range	full load	- 20°C - + 40 °C			
		power reduction	40 W / °C 41 -70 °C temporarily			
		storage	- 30 °C - + 70 °C			
	humidity	0 - 93 % non-condensed				
Controls & Signals	Remote control optional	CR 8 / CR 16 B / CR 20		CR 8 / CR 16 B / CR 20		
	Remote control Terminal	Check by WR ON / OFF operation				
	LED Indicator	Battery voltage / Output power AC / Fault information / Loader WR status				
	Dry contact terminal	with relay		with relay		
	error message	buzzer alarm		buzzer alarm		
	Fan ON/OFF	Automatically by variable fan speed				
Other	Dimension WxHxD / kg	251 x 116 x 386 mm / 5,5		251 x 116 x 453 mm / 7,5		