

## PURE SINE WAVE INVERTER 350/400W

# SE Series



Model		SE 350			SE 400		
		212	224	248	212	224	248
Output	AC Voltage	200/220/230/240 VAC					
	AC Regulation	±5%			±3%		
	Rated Power	350W			400VA		
	Surge Power (1sec)	700W			<800VA (1Sec)		
	max. Output Power (1min) (VA)				>400~460 (100%~115%)		
	Output Waveform	Pure Sine Wave (THD <3% @normal load <sup>1</sup> )					
	Frequency	50/60 Hz ±0,1%			50/60 Hz ±0,5%		
Input	DC Voltage (VDC)	12	24	48	12	24	48
	Voltage Range (VDC)	10,0~15,5	20,0~31,0	40,0~62,0	10,5~16,5	21,0~32,0	42,0~64,0
	NO Load Current	@12VDC	@24VDC	@48VDC	≤1,8A@12VDC	≤1,0A@24VDC	≤0,5A@48VDC
	Power Saving Mode				<0,1A@12VDC	<0,05A@24VDC	<0,05A@48VDC
	On mode @ save mode	<90 mA	<60 mA	<40mA			
	On mode @no load mode	<0,9A	0,5A	0,25A			
	Efficiency (max.)	89%	90%	91%	88%	89%	90%
Protection	BAT. Low Shutdown	10,0 VDC	20,0 VDC	40,0 VDC			
	BAT.Low Alarm	10,5 VDC	21,0 VDC	42,0 VDC			
	BAT. Low Restart	12,0 VDC	24,0 VDC	48,0 VDC			
	BAT. High Alarm	15,0 VDC	30,0 VDC	60,0 VDC			
	BAT. High Shutdown	15,5 VDC	31,0 VDC	62,0 VDC			
	BAT. High Restart	14,5 VDC	29,0 VDC	58,0 VDC			
	Schutz	overload, short circuit, DC over/under voltage, over temperature					
	DC Input Reverse Polarity	by fuse					
	Input Under - Voltage Protection (VDC)				10,5 ± 0,3	21,0 ± 0,5	42,0 ± 1,0
	Input Under - Voltage Recovery (VDC)				12,5 ± 0,3	25,0 ± 0,5	50,0 ± 1,0
	Input Over - Voltage Protection (VDC)				16,0 ± 0,3	32,0 ± 0,5	64,0 ± 1,0
	Input Over - Voltage Recovery (VDC)				14,5 ± 0,3	29,0 ± 0,5	58,0 ± 1,0
	Output Overload	Shutdown, output voltage, restart to recover					
Output Short	Shutdown output voltage, restart to recover						
Over Temperature	Heat sink temperature over 80°C±5°C, shutdown output voltage, recover automatically after heat sink temperature goes down to 60°C±5°C						
Environment	Operating Temp.	-20°C ~ +60°C			-20°C ~ +40°C; 60°C bei 40%Leistungslast		
	Storage Temp.	-30°C ~ +70°C					
	Storage Temp. & Humidity	max. 90% RH non-condensing			10 ~ 95% RH		
Safety & EMC	Safety Standards	certified EN60950-1					
	EMC Standards	certified nach EN 55022 class B; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11 EN 61000-6-3; EN 61204-3; EN 61000-6-1			certified EN 55022 class B; EN 55024 EN 61000-3-2, -3-3 EN 61000-4-2, 3, 4, 5, 6, 8, 11		
	E-Mark	certified CISPR 25, ISO 7637-2					
Control & Signal	Accessory (optional)	remote control CR-8					
	LED Indicator	Input voltage level, output load level and faulty status					
	Dry Contact Terminal	durch Relais					
	Remote Control Terminal	3-Port green Terminal					
Others	Dimension (WxHxD mm), weight Kg	150x68x187 / 1,6			150x68x187 /1,22		
	Cooling	Temperature & load controlled cooling fan					
	Application	Home and office appliances, portable power equipment, vehicle, yacht and off-grid Solar power systems, ... etc.					

<sup>1</sup>Normal Condition: Vin=12.5V/25V/50V Vo=200/220/230/240VAC 80% Full load (PF=1,0)