



Sinetech. 2 Samantha Street, Strijdom Park,
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Solar Combi

Solar combi
 600W - 1kW

Solar Combi is a small independent electrification system designed for rural areas, satisfying basic needs such as light, TV, ceiling fan, small fridge, water pump, etc. Solar Combi integrates multiple functions which make the installation quick, easy and cost-effective.

Proven high quality and industrial leading efficiency make it a perfect product for rural electrification.

BTS
 Temperature Sensor



RCC
 Remote monitor with LED display



- Inverter:
 - Pure sine wave output
 - High Ambient temperature design
 - Peak efficiency up to 92%
 - Standby level adjustable - 0 to 2.5%
 - Extremely low self-consumption
 - Outstanding peak power, suitable for most home appliances
 - Overload- and short-circuit proof
- Solar charge controller - superior charging algorithm
- With 2 PV connections, both fused
- Built-in battery fuse
- Simple to install and use
- Vermin-proof design
- Virtually silent operation

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Inverter

Model No.	SC600L/SC600L-LV	SC600M/SC600M-LV	SC1000M/SC1000M-LV
Cont. output power at 40°C (W)	600W		1000W
Cos φ	0.9-1		
DC input voltage	12VDC	24VDC	24VDC
Overload Capacity	>110%	15 mins	
	>125%	1 min	
	>150%	20s	
Surge	300%		
Output voltage	240Vac, 230Vac, 220Vac, 208Vac ± 2% (Dipswitch selectable) or 127Vac, 120Vac, 110Vac, 100Vac ± 2% (Dipswitch selectable)		
Output frequency	50Hz or 60Hz ± 0.5% (Dipswitch selectable)		
Max efficiency	89%	92%	92%
Crest factor	3:1		
THD	<3%		
Zero load power	7.4W	17W	18W
Standby level adjustment range	0.5% - 2.5% of rated power		
Battery fuse	30A/32VDC*3 PCS	20A/32VDC*3 PCS	30A/32VDC*3 PCS
Short-circuit protection	Auto shutdown with restart		

Solar Charge controller

Battery type	Lead-acid or AGM battery (Dipswitch selectable)		
Max PV open circuit voltage (Voc)	25VDC	50VDC	
Recommended PV (Vmpp)	16 - 19VDC	32 - 37VDC	32 - 37VDC
Current max.	20A (2 X 10A)	10A (2 X 5A)	20A (2 X 10A)
Temperature compensation with BTS	Automatic, -4mV / °C / Cell		
Charging algorithm	TBB Premium II		
PV Fuse	30A/32VDC*2 PCS	15A/32VDC*2 PCS	30A/32VDC*2 PCS

Other Data

Battery connector	M6 x 2		
Enclosure	Powder-coated steel		
Dimensions - H x W x D (mm)	400 x 236 x 89		
Net weight (kgs)	9kg	10.6kg	
Forced ventilation	From 40°C		
Protection	IP20		

Standard

Safety / EMC	IEC62109-1, IEC62109-2/EN61000, EN61000-6-3		
Warranty	2 Years		