

SHS2 AC-DC

DAILY ENERGY

up to **9**
kWh

Solar Home System

ADVANCED
LEAD/LITHIUM
TECHNOLOGY



Reduced
operational costs



Reduced noise
and pollution



Works with
sustainable different
battery technology



Modular



Design to work in
hard environments



Lower LCoE
Vs fossil fuels



Italian design



TOZZIgreen

We light up the world in green

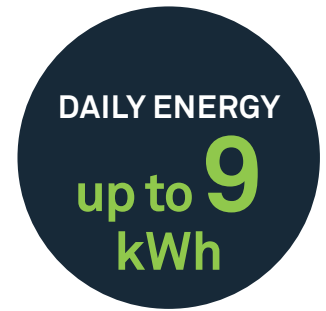
SHS2 AC-DC

Solar Home System

ADVANCED LEAD/LITHIUM TECHNOLOGY

SHS2 is a AC and DC clean electric generator designed for schools, healthcare centres, telecom and manufacturing activities. Thanks to solar energy and battery storage SHS2 is suitable to every context all over the world. SHS2 improves everyday comfort and life condition of small communities.

INPUT	
Solar panel	4 x 330W polycrystalline silicon
OUTPUTS	
DC Output	24 Vdc / 1200W nominal, 1500W peak
AC Output	220/230 Vca 50 Hz/60Hz programmable output 1200W nominal, 1500W peak
STORAGE	
Battery Technology	Lead Crystal / LiFePO4
Battery Capacity	400 Ah C100
Battery Voltage	12.8 V
Battery Life Cycle (50% DOD)	2500 cycles
Total Capacity	9.6 kWh



FEATURES & PROTECTIONS	
Display Battery charge	Yes
Display PV panel power	Yes
Display Load power	Yes
Built-in overload and short circuit protection	Yes
Built-in battery protection	Yes
Built-in programmable datalogger	Yes

SYSTEM CHARACTERISTICS	
Cabinet dimensions	1450 mm x 1300 mm x 500 mm
Cabinet weight	400 kg
Working temperature	[-10°C; +40°C]

REFERENCE STANDARDS	
System	IEC 62109-1:2010 IEC 62509:2010 IEC 62093:2005 IEC 61000
Battery	IEC 60896-21:2004 IEC 60896-22:2004 IEC 61427-1:2013 IEC 62133:2017, UL1642
Solar PV Panel	IEC 61701:2011 IEC 61215:2016



HEALTH CENTERS



SCHOOLS



MAIN ACTIVITIES



WATER TREATMENT SYSTEM

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