



SensMax SPS20 Solar Power System



Supported sensors	SensMax TAC-B 3D-W SensMax TAC-B 3D-WP SensMax TAC-B 4G
Output voltage	DC 10...14.6V
Output connector	DC5521 angle 90°
Solar panel	Solar Cell 156Mono Open Circuit Voltage 21.24V Power 60W Size 680×510×35 mm Front Glass Thickness 3.2mm Surface Max Load Capacity 60 m/s (5kg/sq.m) Allowable Hail Load 23m/s,7.53g Cell Efficiency 21.60%
Battery	Battery Type LiFePO4 Nominal capacity 20 Ah Electricity 256 Wh Nominal voltage 12.8V Cycle Life >2000 times
Temperature range	-20°C to +65°C
Waterproof	IP67
Dimensions	Solar panel size 680×510×35 mm Battery size 205×100×40 mm

The SensMax solar power system SPS20 is engineered to provide a reliable and sustainable power source for SensMax TAC-B sensors and other compatible SensMax devices. It harnesses solar energy to generate electricity, ensuring continuous operation of the connected equipment, even in remote or off-grid locations.

The SensMax SPS20 is an all-in-one solution that integrates all necessary components into a single unit. This includes the solar panel, charge controller, and battery. The compact design and integration of these components into a unified system make it convenient and space-efficient.

The system utilizes a high-quality LiFePO4 battery that supports over 2000 cycles, providing long-lasting and reliable performance. The battery case features a built-in heater that maintains the internal temperature at 0...+4°C, allowing charging to continue down to -20°C.

The solar panel is mounted on a durable mounting system, allowing the system to be used in various weather conditions.

The system comes pre-wired and ready to connect, minimizing the need for technical expertise.

Features:

- Charging and discharging operations within a range of -20°C to +65°C
- LiFePO4 battery with over 2000 cycles
- Durable and robust design suitable for outdoor use