



## Datasheet sonnenProtect 2500

With the sonnenProtect 2500 you are safe even if the power fails. With the Black-Start function even if the systems fully powers down and switches off over night you are safe. As soon as the sun rises in the morning, energizing the Solar PV directly feeding into the sonnenBatterie, the system will automatically wake itself up, start to recharge the batteries and power the back-up load circuits. All of this without the grid being present and without the need for the customer to turn anything back on.

Maximum power (30 sec.)	3,000 W
Nominal power	2,500 W
Output voltage	230 VAC / $\pm 10\%$
Nominal frequency	50 Hz
Network configuration in emergency operation	TN
Switchover time	max. 15 seconds
Weight	4,3 kg
Ambient temperatures	-5 °C – +45 °C
Dust and water protection	IP67
Dimensions (W/H/D)	23 / 20 / 12 cm
Overvoltage category	III
Mains connections fuse	Miniature circuit breaker   Type B   20 A
Residual current device	integrated (Type A   30 mA)
Operating concept	Single-phase power supply via emergency circuit(s)*
Protective functions	Overcurrent protection, fault current protection
Minimum battery capacity required	5 kWh

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\* The switch to emergency operation takes place automatically through the storage system.