

Minicube 2000 **NEW**



HIGH YIELD

- Supports 2400 W input for high-power PV modules, enabling flexible installation
- Stable -20 °C to 55 °C wide-temperature operation ensures worry-free power generation all year round



SAFE & RELIABLE

- Equipped with semi-solid electrolyte cells, supporting 7000 cycles for a stable and long lifespan
- Comes standard with a fire protection module and heat shield for comprehensive safety



FLEXIBLE EXPANSION

- 2-10 kWh scalable system with plug-and-play
- design for residential energy storage needs



EASY OPERATION

- 30s bluetooth quick connection with real-time data visualization
- Single-app integration with the Shelly smart meter for hassle-free management



Technical properties		Minicube 2000
Model		
Hybrid Inverter		SM800H
Battery Module		SMB020
Input (DC)		
Recommended max. PV input power		2400 Wp
Max. PV input voltage		59 V
MPPT operating voltage range		22 V – 57 V
No. of independent MPP trackers		2
Max. PV input current		30 A * 2
Max. DC short-circuit current		40 A * 2
Input and Output (AC)		
Max. AC power from grid		1200 VA
Rated AC output power		800 W
Max. AC input current		5.22 A
Max. AC output current		3.48 A
Rated AC voltage		L / N / PE, 230 V
Rated grid frequency		50 Hz
Backup data (off-grid mode)		
Rated voltage		230 V
Rated frequency		50 Hz
THDV (@ Linear load)		< 3%
Rated output power		1200 W / 1200 VA
Peak output power		1800 W @ 10 s
Battery		
Battery type		LiFePO4 (Semi-Solid-State Battery)
Rated capacity		2035.2 Wh
Rated voltage		38.4 V
Battery life cycle		7000
Max Expansion Batteries		5
Efficiency		
Max. efficiency (Battery to AC Side)		92%
Protection & Function		
Protection class		Class I
Over voltage category		DC Type II / AC Type III
Over / under voltage protection		Yes
Over current protection		Yes
Over / under temperature protection		Yes
General Data		
Degree of protection		IP65
Operating ambient temperature range *		-20 °C to 55 °C
Allowable relative humidity range (Non-condensing)		0% – 95%
Cooling method		Natural convection
Max. operating altitude		2000 m
Noise (Typical)		< 25 dB (A)
Communication		WLAN, Bluetooth
DC connection type		MC4 (PV, Max. 6 mm ²)
AC connection type		Plug and play connector
Weight		
Hybrid Inverter		7.5 kg
Battery Module		24 kg
Dimensions		
Hybrid Inverter (W * H * D)		455 * 84 * 232 mm
Battery Module (W * H * D)		455 * 225 * 232 mm

* If the cell temperature is below 0 °C, it needs to be heated to 0 °C before charging.