

SOLAR POWERED CASE PORTABLE POWER BOX



GERMAN-based company

TT-1.2KW-CASE-PRT 1.0KW/1.2KWh



ABS+PC Case

TOPCon N-Type Solar Panel

*IP65 Protection

ALL IN ONE Solar Panel + Battery

Information Display

AC and DC Output

Smart Protection Feature

BMS Battery Management System

Superior Performance

LFP Lithium Iron Phosphate



Device Usage Times

Laptop 60W ≈ 18 hours	Phone 30W ≈ 36-40 times
Wi-Fi Router 10W ≈ 108 hours	Air Pump 50W ≈ 21 hours
Drill 30W ≈ 36 hours	Fan 20W ≈ 54 hours
Thermos 60W ≈ 18 hours	Mini Refrigerator 30W ≈ 36 hours

Developed with TommaTech’s engineering expertise, this portable power station offers a robust and sustainable solution for mobile energy needs. The pure sine wave inverter and LFP battery ensure high efficiency and safe operation, while the foldable TOPCon N-type solar panel enables off-grid energy generation in any environment. Thanks to its waterproof and impact-resistant housing, it is suitable for outdoor use.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018



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AC Input Parameters

Main Topology	L + N + PE
Nominal Voltage	208 / 220 / 230 / 240 VAC

DC Input Parameters

Maximum PV Input Power (W)	PV I: 800 / PV II: 120
Maximum Voltage (V)	115 V
Maximum Input Current (Ah)	18 A
Maximum Input Power (Ah)	800 W
Short-Circuit Current (Ah)	20 A
Recommended Voltage (V)	42 – 63 V
Starting Voltage (V)	20 V
MPPT Range (V)	17 – 115 V

AC Output Parameters

Main Topology	L + N + PE
Output Voltage (VAC)	208 / 220 / 230 / 240
Maximum Output Power (W)	1000
Frequency (Hz)	50/60
Harmonic Distortion [THD] (%)	≤ 3

DC Output Parameters

USB-A Output Power (W)	18W (5V~12V) Max.
Type-C Output Power (W)	18W (5V~12V) Max.
Car Cigarette Lighter Output Power (W)	120

Battery Parameters

Capacity (Wh)	1280
Nominal Voltage (V)	12.8
Nominal Capacity (Ah)	100
Protection	Overcharge, Overdischarge, Overheating, Low Temperature, Overcurrent, Short Circuit

Environmental Conditions

Operating Temperature (°C)	-10 ~ 60
Humidity (%)	20% – 95% (non-condensing)
Storage Temperature (°C)	-25 ~ 60
Elevation (m)	4000
Cooling	Forced-air
Noise (dB)	≤ 55
Weight (kg)	17
Dimensions [WxDxH] (mm)	500 x 400 x 175
Warranty Period	2 Year
Protection Class	IP65

* The operating time of the devices may vary depending on their power consumption.
* IP65 protection rating is provided when the product cover is in the closed position.
* The data above was obtained under standard test conditions (STC): 1000 W/m² solar irradiance, air mass 1.5 (AM), and a cell temperature of 25°C. The measurement uncertainty for all panels is 6%. Actual data will be subject to the terms of the contracts entered into. The technical values contained in this document are for informational purposes only and do not constitute part of any contract. The technical specifications in this document are subject to change. For detailed information, please refer to the "Installation and Assembly Guide."
* TommaTech® GmbH reserves the right to change product specifications without prior notice.