



RT-10Y

Residential BESS

Three Phase

10KW+8.2KWh

Key Features



HIGH EFFICIENCY

- Max to 98.2%



EASY INSTALLATION

- Plug&play



SMART SYSTEM

- Multiple modes available
- Easily controlled by APP



TOP GRADE BATTERY

- **EVE** >6000 cycles @90% DOD
- 10 years performance warranty

PARAMETERS

System Technical Specification

Product	RT-10Y
Max PV Input Power	15KW
MPPT Voltage Range	180V-850V
Syetem Capacity	8.2KWh
Usable Capacity	7.4KWh
Rated Capacity	20Ah
Charging Temperature	0°C~50°C*
Discharge Temperature	-20°C~60°C*
IP Protection	IP65
Weight	130kg
Dimensions(H x W x D)	1667.7 x 575 x 235mm
Safety	IEC/EN62109-1/-2,IEC62477-1,IEC62040,IEC63056,IEC62619
EMC	IEC/EN 61000-6-1,IEC/EN 61000-6-2,IEC/EN 61000-6-3,IEC/EN 61000-6-4
Grid Standard	VDE4105,VDE0124,TOR Erzeuger Type A Version 1.2:2022,OVE-Richtlinie R 25:2020

Inverter Technical Specification

Max. Power of PV Array	15000W
Max. Input Current per MPPT Tracker	13A/13A
Max. Input Voltage	1000 V
MPPT Voltage Range	180 V~850 V
Min. Input Voltage/Start Voltage	125 V/235 V
MPPT Input/No. of Independent MPPT Strings per MPPT Input	2/1
Max. Short-circuit Current per MPPT Tracker	16A/16A
Max. Charging Current / Max. Discharging Current	50A/50A
Max. Charging Current / Max. Discharging Power	10000W
Rated Frequency	50 Hz / 60 Hz
Nominal AC Voltage	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V
AC Voltage Range	360V~440V
Max. Switch Time	≤10ms
Dimensions(W×H×D)	530 × 560 × 220 mm
Weight	31kg

Battery Pack Technical Specification

Capacity Pack Storage	2.04KWh
Capacity Pack Weight	19.5kg
Battery Connecting Method	In Series
Single Battery Pack Voltage	102.4V
Life Cycle	≥6000(90%DOD)**
Battery Input Voltage Range	125-600

*The Charge/Discharge temperature range is base on cells parameters

**Test under specific conditions



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