



RT-10Y

Residential ESS

Three Phase

10KW+8.2KWh

Key Features



HIGH EFFICIENCY
• Max to 98%



EASY INSTALLATION
• Plug&play



SMART SYSTEM
• Multiple Mode Available,
Easily controlled by APP



TOP GRADE BATTERY
• **EVE** >6000 Cycle
• 10-Year Warranty

PARAMETERS

Residential ESS Technical Specification

Product	RT-10Y
Rated energy	8.2KWh
Max PV Input Power	15KW
MPPT Voltage Range	180V-850V
Usable Capacity	7.38KWh
Rated capacity	20Ah
Charging temperature	0 C~55 C
Discharge temperature	-25 C~55 C
IP protection	IP65
Weight	130kg
Dimension	1667.7 x 575 x 235(H x W x D)
Safety	"IEC/EN62109-1/-2,IEC62477-1.IEC62040,IEC63056,IEC62619 , IEC62730 Annex H"
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3
Grid Standard*	VDE4105/0124, CEI 0-21, EN50549-1, G99

Inverter Technical Specification

Max PV input power	15KW
Max AC input power	20KW
Rated output power	10KW
Max output current	15.9A
Grid voltage range	400/360-400
Grid connecting type	3W+N+PE
Nominal grid frequency (Hz)	50/60
THDi	<3%
Off-grid max output power	11KVA
Off-grid max output current	15.9A
Off-grid rated output voltage	400
Switch time	<20MS
Euro efficiency	97.5%
Max efficiency	98.2%

Single Battery Pack Specification

Single Battery Pack Storage	2.04KWh
Single battery pack weight	16.5kg
Battery connecting method	In Series
Single battery pack voltage	102.4V
Life cycle	≥6000 (90%DOD)
Battery input voltage range	125-600

*Grid Standard is in process



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