Grid-Tied Inverter

REVO

Thunder 100 - 125 KW

Application: Commercial & Industrial Sites

Superior Performance

- Maximum efficiency of 98.8%
- Large string current, compatible with large PV modules
- 9 MPPT, fuse-free design technology

High Reliability

- IP66 protection level for outdoor installation
- Replaceable DC/AC Type II SPD
- Optional: AFCI 2.0, Night SVG, I/V detection, and integrated PID

Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- String level current detection



THREE PHASE & MULTIPLE MPPT

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Efficiency			
Max. Efficiency	98.5%	98.6%	98.8%
European Efficiency	98.0%	98.2%	98.2%
Input (PV)			
Max. Input Voltage		1100V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		620V	
Max. Input Current	5*32A/3*40A	6*32A/3*40A	6*32A/3*40A
Max. Short Circuit Current	5*45A/3*50A	6*45A/3*50A	6*45A/3*50A
Start Input Voltage/Min. Operating Voltage		250V/200V	
MPPT Operating Voltage Range		200V-1000V	
Max. Number of PV Strings	8*2	9*2	9*2
No. of MPPTs	8	9	9
Output (Grid)			
Rated AC Active Power	100,000W	110,000W	125,000W
Max. AC Apparent Power	111,000VA	123,000VA	125,000VA
Max. AC Output Current	3*168.8A	3*178A	3*181A
Rated AC Voltage		380V/400V, 3W+N+PE	
AC Voltage Range①		320V-520V (Adjustable)	
Rated Grid Frequency		50Hz/60Hz	
Grid Frequency Range②		45Hz-55Hz/55Hz-65Hz (Adjustable)	
THDI		<3%@Rated Power	
DC Current Injection		<0.5%@Rated Current	
Power Factor		>0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)	
Protection			
DC Switch		Yes	
Anti-Islanding Protection		Yes	
AC Overcurrent Protection		Yes	
AC Short Circuit Protection		Yes	
DC Reverse Protection		Yes	
Surge Arrester		DC Type II/AC Type II	
Insulation Detection		Yes	
Leakage Current Protection		Yes	
AFCI 2.0		Optional	
PID Recovery		Optional	
PV String Monitoring		Yes	
Consumption Monitoring		Optional	
General			
Topology		Transformerless	
IP Rating		IP66	
Night Self Consumption		<10W (Standard)	
Cooling Method		Smart Cooling	
Operating Temperature Range		-25°C~60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Dimensions (W*H*D)		936mm*678mm*365mm	
Weight	91.5kg	92kg	92kg
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication Interface		RS485, Optional: Wi-Fi/GPRS/LAN	
Certification			
Safety		IEC 62109-1, IEC 62109-2	
Grid Code		EN 50549-1/-2, IEC 61727/62116, VDE-AR-N 4105, CEI 0-21/16, UNE 206006/206007-1, UNE 217001	
Warranty		5 Years/10 Years (Optional)	

Remarks: · ①②The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.