



Three-phase Hybrid Inverter

RZE-HY30-TH



Supports 7 intelligent working modes and automatically switch within 10ms.



Supports 20A maximum PV string current, compatible with 700W+ high-power modules.



Sustain 200% rated power overload for 10 seconds.



Supports 100% 3-phase unbalanced output on both ports (BACKUP & GRID).

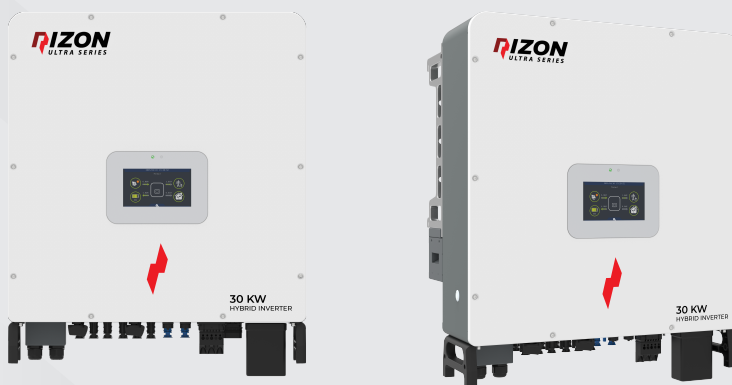


Low startup voltage threshold, wide operating voltage range.



Peak shaving and valley filling to enhances grid stability.





Technical Data	RZE-HV30-TH
Input DC (PV side)	
Max. PV access power	60kW
Max. PV input power	48kW
Max. PV input voltage	1000V
Nominal input voltage	600V
MPPT working voltage range	180V -850V
Number of independent MPPT/strings per MPPT	3/3
MPPT max. current	3*45A
Start-up voltage	200V
Output/Input AC (Grid side)	
Nominal apparent power	30kW
Max. apparent power	33kVA
Nominal voltage	380V/400V
Nominal frequency	50Hz/60Hz
Rated current	45.4A/43.4A
Max. current	50A
Power factor	-0.8~+0.8(adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	3L+N+PE
Max. AC current from utility grid	200A
Output AC (Back-up)	
Nominal output power	30kW
Max. output apparent power	33kVA
Nominal output voltage	380V/400V
Nominal output frequency	50Hz/60Hz
Output THDV	<3%
Automatic switch time	<10ms
Battery	
Battery type	Li-ion
Battery voltage range	200V-800V
Max. charging/discharging current	2*50A/2*50A
Charging strategy for Li-ion battery	Self-adaption to BMS
Efficiency	
Max. MPPT efficiency	99.9%
Europe efficiency	97.5%
Max. battery to load efficiency	98%
Protection	
Anti islanding protection	Yes
Insulation impedance protection	Yes
RCD detection	Yes
PV reverse polarity protection	Yes
Output over voltage protection	Yes
Output over current protection	Yes
General Data	
Dimensions(L/W/H)in mm	680/342/708
Weight	73kg
Operation temperature range	-30 °C ~+60 °C
Heat dissipation mode	Smart cooling
IP Class	IP 66
Maximum altitude	4000m
Self-Consumption night	<5W
Topology	Transformerless
Features	
LCD display	Yes
Communication interface	WiFi/GPRS/RS485
Standards	IEC 62109-1/IEC 62109-2/EN IEC 61000-6-1/EN IEC 61000-6-3/VDE AR 4105/ VDE V 0124-100/NC RfG/PSE/PTPIREE/EN 50549-1/NRS 097