



Single-phase Hybrid Inverter

RZE-HY25-TH



Equipped with GEN port, compatible with diesel generators, smart loads, and AC coupling.



Integrated 0-export function.



Supports setting 9 periods, including three periods each for self-consumption, battery



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



IP66 rated enclosure, designed for both indoor and outdoor deployment in harsh environments.



Peak shaving and valley filling to enhances grid stability.

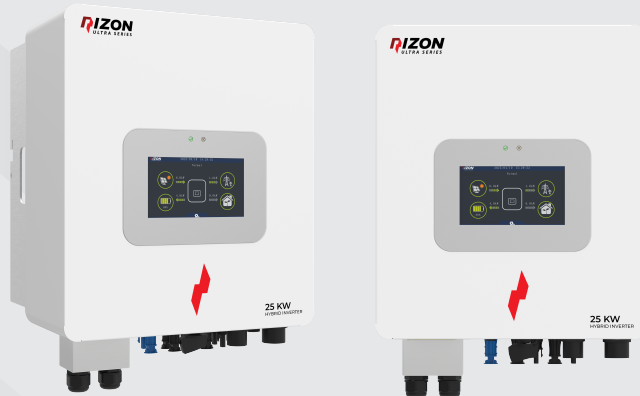


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Technical Data	RZE-HV25-TH
Input DC (PV side)	
Max. PV access power	50kW
Max. PV input power	40kW
Max. PV input voltage	1000V
Nominal input voltage	600V
MPPT working voltage range	180V ~850V
Number of independent MPPT/strings per MPPT	2/2
MPPT max. current	30A/30A
Start-up voltage	200V
Output/Input AC (Grid side)	
Nominal apparent power	25kW
Max. apparent power	25kVA
Nominal voltage	380V/400V
Nominal frequency	50Hz/60Hz
Rated current	37.8A/36.3A
Max. current	38A
Power factor	-0.8~+0.8(adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	3L+N+PE
Max. AC current from utility grid	60A
Output AC (Back-up)	
Nominal output power	25kW
Max. output apparent power	25kVA
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	150V~750V
Max. charging/discharging current	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	403/284/463
Weight	32kg
Operation temperature range	-25 °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/4G/USB/CAN/RS485
Standards	IEC 62109-1/IEC 62109-2/EN IEC 61000-6-1/EN IEC 61000-6-3/CEI 0-21/ VDE AR 4105/VDE V 0124-100/NC RfG/PSE/PTPIREE/EN 50549-1/NRS 097

