



Single-phase Hybrid Inverter

RZE-HY6-SL

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Supports up to 10-unit parallel operation in both on-grid and on-grid modes, featuring scalable capacity.



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



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



Supports setting 9 periods, including three periods each for self-consumption, battery charge, and battery discharge.

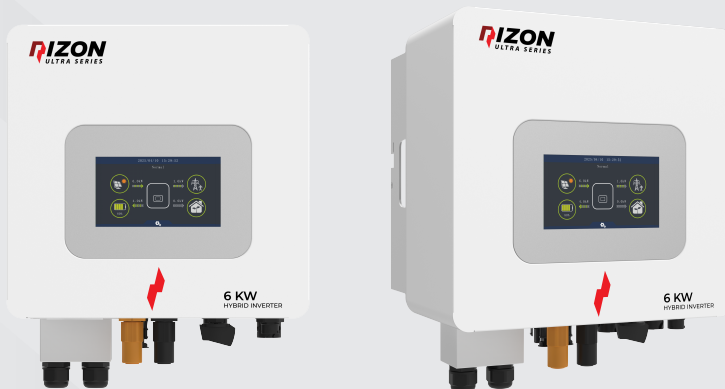


IP65 rated enclosure, designed for both indoor and outdoor deployment in harsh environments.



Silent fanless design with zero-maintenance reliability.





Technical Data	RZE-HV6-SL
Input DC (PV side)	
Max. PV access power	12kW
Max. PV input power	9.6kW
Max. PV input voltage	550V
Nominal input voltage	360V
MPPT working voltage range	80V-500V
Number of independent MPPT/strings per MPPT	2/1
MPPT Max Current	20A/20A
Start-up voltage	100V
Output/Input AC (Grid side)	
Nominal apparent power	6kW
Max. apparent power	6.6kVA
Nominal voltage	220V/230V
Nominal frequency	50Hz/60Hz
Rated current	27.3A/26A
Max. current	30A
Power factor	-0.8~+0.8 (adjustable)
THDi	<3%(Nominal Output)
Grid system pattern	L+N+PE
Max. AC current from utility grid	50A
Output AC (Back-up)	
Nominal output power	6kW
Max. output apparent power	6.6kVA
Nominal output voltage	220V/230V
Nominal output frequency	50Hz/60Hz
Output THDV	<3%
Automatic switch time	<10ms
Battery	
Battery type	Li-ion/Lead-acid
Battery voltage range	40V-60V
Max. charging/discharging current	100A
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	94%
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	375/250/363
Weight	20kg
Operation temperature range	-25°C-60°C
Heat dissipation mode	Natural
IP Class	IP 65
Maximum altitude	4000m
Self-Consumption night	<3W
Features	
LCD display	Yes
Communication interface	WiFi/4G/USB/CAN/RS485
Standards	EN 62109/EN 62477/EN IEC 61000/CEI 0-21/NTS-631/RD647/UNE 217001/UNE 217002/VDE 4105/IEC 61727/IEC 62116/IEC 61683/EN 50549/G98/ G99/NRS 097/UTE C 15/VDE V 0126

