



Three-phase Hybrid Inverter

RZE-HY15-TL



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



Supports battery charge/discharge currents up to 400A.



Color touch screen (4.3/7" optional).



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



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



110% continuous overload rating at sustained operation.





Technical Data	RZE-HY15-TL
Input DC (PV side)	
Max. PV access power	30kW
Max. PV input power	24kW
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	2*36A
Start-up voltage	200V
Output/Input AC (Grid side)	
Nominal apparent power	15kW
Max. apparent power	16.5kVA
Nominal voltage	380V/400V
Nominal frequency	50Hz/60Hz
Rated current	22.7A/21.7A
Max. current	25A
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	15kW
Max. output apparent power	16.5kVA
Nominal output voltage	380V/400V
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	300A
Charging strategy for Li-ion battery	Self-adaption to BMS
Charging strategy for Lead -acid battery	Three -stage
Efficiency	
Max. MPPT efficiency	99.9%
Europe efficiency	97.5%
Max. battery to load efficiency	94.5%
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	425/290/710
Weight	45kg
Operation temperature range	-25 °C~+60 °C
Heat dissipation mode	Smart cooling
IP Class	IP 66
Maximum altitude	4000m
Self-Consumption night	<3W
Topology	Transformerless
Features	
LCD display	Yes
Communication interface	WiFi/4G/USB/CAN/RS485
Standards	IEC 6 2109 -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/EN50549/NRS 097

