



SOLARLINK SERIES

SINGLE-PHASE HYBRID INVERTER FOR RESIDENTIAL AND COMMERCIAL PV SYSTEMS



high efficiency



back-up
power supply



up to 2 roof
orientations



modular space
saving design



quick and easy
installation



everything needed
from one source

HIGH PERFORMANCE

- < 10ms UPS-level switching
- Premium grid peak shaving capabilities, friendly to grid
- 100% full load charge and discharge
- Max. 200% back-up output overloading @60S

FULLY COMPATIBILITY

- Lithium batteries voltage range 80-500V
- Max. PV input current per string 18A
- Enhanced compatibility with 2 MPPTs

UNIQUE FLEXIBILITY

- Supports diesel generators in off-grid locations
- Max. charging/discharging current 60A

SMART SYSTEM

- Intelligent EMS function, improving battery's reliability
- Longevity and almost no derating at high temperature
- Settable charge and discharge time

EASY TO USE

- Plug-and-play installation
- Easy anytime, anywhere monitoring

PREMIUM DESIGN

- IP66 protection for indoor and outdoor use
- Optional AFCI protection

EXPANDABLE SOLUTION

- Support AC retrofit application
- Support up to 4 units parallel connection

MODEL	RHS3.0K HE-EU	RHS3.6K HE-EU	RHS4.0K HE-EU	RHS4.6K HE-EU	RHS5.0K HE-EU	RHS6.0K HE-EU	RHS8.0K HE-EU	RHS10.0K HE-EU	RHS10.5K HE-EU
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PV INPUT

Max. Recommended DC Power [W]	3900	4680	5200	5980	6500	7800	10400	13000	13650
Max. DC Voltage [V]	600								
Max. Input Current [A]	36 / 36 / 36								
Max. Short Circuit Current [A]	46 / 46 / 46								
MPPT Voltage Range [V]	80 - 580								
Start-up Voltage [V]	40								
No. of MPP Trackers	2								
Strings Per MPP Tracker	1 / 2								
PV Over Management	130%								

BATTERY

Battery Type	LiFePO ₄
Battery Voltage [V]	80 - 500
Max. Charge/ Discharge Current [A]	60 / 60
Communication Interface	RS485,CAN

AC OUTPUT

Max. AC Output Apparent Power [VA]	3,000	3,600	4,000	4,600	5,000	6,000	8,000	10,000	10,500
Rated AC Output Power [W]	3,000	3,600	4,000	4,600	5,000	6,000	8,000	10,000	10,500
Max. AC Output Current [A]	13.0	15.7	17.4	20.0	21.7	26.1	34.8	43.5	45.6
Rated AC Output Current [A]	13.0	15.7	17.4	20.0	21.7	26.1	34.8	43.5	45.6
Rated AC Voltage [V]	220 / 230 / 240 (180~300)								
Grid Frequency [Hz]	50 / 60								
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging								
Output THDi (@Rated Output)	< 3%								

BACKUP OUTPUT (WITH BATTERY)

Rated Power [W]	3,000	3,600	4,000	4,600	5,000	6,000	8,000	10,000	10,500
Rated Voltage[V]	220 / 230 / 240 (180~300)								
Rated Frequency [Hz]	50 / 60								
Rated Current [A]	13.0	15.7	17.4	20.0	21.7	26.1	34.8	43.5	45.6
Adjustable Power Factor [cosφ]	0.8 leading ~ 0.8 lagging								
Output THDv (@Linear Load)	< 3%								
Automatic Switch Time [ms]	< 10								

EFFICIENCY

Max. Efficiency	98.60%
Euro-Efficiency [%]	98.10%

GENERAL DATA

Dimensions (W*H*D) [mm]	411 x 401 x 166
Weight [kg]	17.7
Communication	Wifi, 4G, GPRS, Bluetooth, RS485, CAN
Max. operation altitude(m)	3,000
Ambient Temperature Range [°C]	-25 ~ +60
Topology	transformerless
Cooling	Natural cooling Natural cooling Natural cooling Natural cooling Natural cooling Smart Fan Smart Fan Smart Fan Smart Fan
Ingress Protection	IP66
Grid Regulation	AS/NZS4777:2020, EN50549-10:2022, G98:2021, G99:2021, NC RFG, ABNT NBR 16150, VDE-AR-N 4105,
Grid Regulation	CEI0-21, CEI0-16, RD1699, NA/EEA, C10:2019, PPDS:2021, Tor+R25, IEC61683, IEC61727&62161
Safety/EMC Regulation	IEC-62109-1/-2, IEC-61000-6-1/-2/-3, NB/T32004