

# AC three-phase inverters



High end villa

Communication base station

Nomadic farm

Residential electricity

## Product features:



Compatible with lead acid and lithium ion batteries and other battery access with battery reverse



Connection protection, compatible with anti-countercurrent function



Support diesel generator connection



Support first class load priority power supply



IP65 protection level, low noise (<35dB)



Support full power discharge and automatic management of battery charge and discharge

# RD inverter series



Technical parameter	RD 8KW H3	RD 11KW H3	RD 13KW H3
<b>Input parameters (PV)</b>			
Maximum power (kW)	10.4	13	15.6
Maximum DC voltage (V)	1000		
MPPT, voltage range (V)	180~850		
Single MPPT Maximum input current	12		
MPPT number / maximum number of	2/1		
<b>Output parameters (AC)</b>			
Rated output power (kVA)	8.8	11	13.2
Maximum output current (A)	12.7	15.9	19.1
Power Grid Voltage Range (V)	400/360~400		
Power Grid Frequency (Hz)	50/60		
power factor	0.8 Advance...0.8 lag		
THDi	<3%		
Grid connection type	3W+N+PE		
<b>Battery data</b>			
Battery voltage range (V)	125~600		
Maximum charging voltage (V)	600		
Full-load battery voltage (V)	160	200	250
Maximum charge / discharge current	40	40	50
Battery type	Lithium-ion battery / lead-acid batteries		
Communication interface	CAN/RS485		
<b>Emergency power output (EPS)</b>			
Rated power (kVA)	8.8	11	13.2
Rated output voltage (V)	400		
Rated output current (A)	12.7	15.9	19.1
Rated output frequency (Hz)	50/60		
Automatic Switch Time (ms)	<20		
THDu	<2%		
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S		
<b>General data</b>			
Battery charging and discharging efficiency	96.6%	96.7%	96.8%
Maximal efficiency	97.9%	98.2%	98.2%
European efficiency	97.2%	97.5%	97.5%
MPPT productiveness	99.5%	99.5%	99.5%
Levels of protection	IP65		
Noise (dB)	<35		
Environmental temperature range	-25°C~60°C		
Cooling-down method	natural cooling		
Environmental humidity range	0~90%No condensation free		
Altitude	No frequency reduction below 2000m altitude		
Dimension W * D * H (mm)	530*200*600		
Weight (kg)	29		
Isolation transformer	None		
Shutdown power consumption	<3		
<b>Display and communication</b>			
Display	LCD		
Communication mode	RS485/WiFi/4G/CAN/DRM		
Authentication	Yes/Optional/Optional/Yes/Yes		
	CE、TUV		