

Residential ESS

Single-phase AIO
iESS-RD1-G1



Safe & Reliable

24 hours backup to ensure power supply
High-quality lithium battery, safe and efficient



Flexible & Convenient

Battery modular design, flexible expansion
APP monitoring, manage and control home energy in real-time



Energy Savings & Eco-friendly

Charge in daytime and discharge at night peak hours, reduce electricity bill
Clean energy self-power and self-consumption to reduce carbon emissions

Data Sheet



Hybrid Inverter	iINV-HB1-3.6KL	iINV-HB1-5.0KL	iINV-HB1-6.0KL
PV input			
Max. Input Power	4600W		7000W
Start-up voltage		120V	
Max. PV voltage		550V	
MPPT range/ nominal		125V-500V/ 360V	
Max. input current		14A/14A	
AC output			
Rated power va	3600VA	5000VA	6000VA
Max. output current	16.0A	21.7A	26.0A
Nominal voltage/ range		230V/ 176V~270V	
Frequency		50/ 60Hz	
EPS Automatic switchover time		<20ms	
General data			
Protection class		IP65	
Weight		25kg	
Display		LCD	
Dimensions (LxWxH)		550x200x520mm/22x8x20inch	
Interface:rs485/ can/ drp/ wifi/ gprs		yes/ yes/ yes/ opt/ opt	
Certificates		CE/ TUV/ SAA/ IEC62116:2014/ IEC61683:1999	
Battery	iBAT-M-5.1L (48100 ESS)		
Battery number		2pcs	
Nominal capacity		10.2kWh	
Weight		41kg	
Depth of discharge		90%	
Nominal voltage		51.2V	
Working voltage		43.2-57.6V	
Max. charge current		50A	
Max. discharge current		50A	
Battery type		LFP Lithium-ion	
Communication		CAN	
Single-phase AIO	iESS-RD1-G1		
Noise emission (typical)		<35dB	
Operation temperature		- 25℃ ~+60℃	
Cooling		Natural	
Relative humidity		0~95% (non-condensing)	
Protection class		IP65	
Weight		147kg	
Size (LxWxH)		600x210x1750mm/24x8x69inch	

Contact us:

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