

Residential ESS

(Split)



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 output			
Automatic switchover time		<20ms	
General data			
Protection class		IP65	
Noise emission (typical)		<35dB	
Operation temperature		- 25℃ ~ +60℃	
Cooling		Natural	
Relative humidity		0~95% (non-condensing)	
Dimensions (LxWxH)		550x200x515mm/22x8x20inch	
Weight		26kg	
Features			
Display		LCD	
Interface:rs485/ can/ drm/ wifi/ gprs		yes/ yes/ yes/ opt/ opt	
Certificates			
Certificates		CE/ TUV/ SAA/ IEC62116:2014/ IEC61683:1999	
Battery			
iBAT-M-5.1L (48100 ESS)			
Battery number	2pcs	3pcs	4pcs
Nominal capacity	10.2kWh	15.3kWh	20.4kWh
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	
Battery cabinet size (LxWxH)		600x350x1300mm/24x14x51inch	
Protection class		IP65	