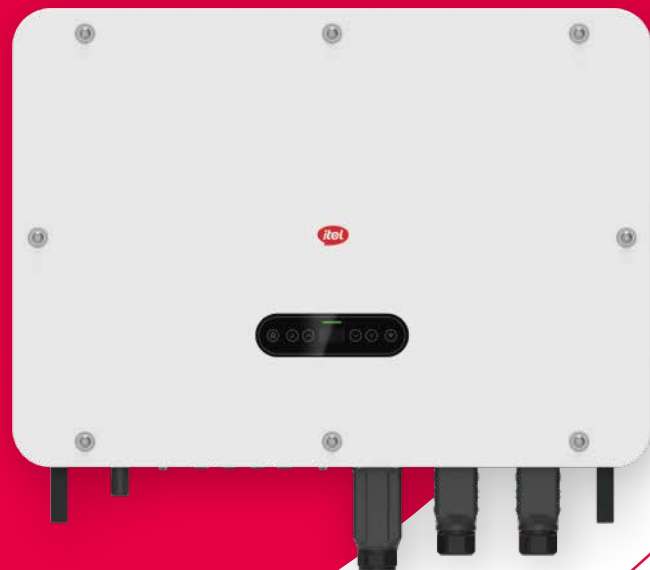


IHY-30KH3S | IHY-50KH3S

C&I ESS



HYBRID INVERTER



Maximized Energy Harvesting

- 100% Unbalanced Output Enhances Self-consumption
- 150A Charging/Discharging for Efficient Energy Transfer
- 150-840V Super wide Battery Voltage Range
- 160% DC Oversizing Boosts Efficiency,
- 20A PV Input Current per String, 4 MPPT Trackers



Intelligent Energy Dynamics

- Six Work Modes for Diverse Use
- Supports both ToU and Dynamic Pricing Strategies for Optimized Energy Use and Cost Savings
- Supports Diesel Generators for Diverse Energy Sourcing



Engineered for Versatility

- Max. 10 pcs Parallel Operation (on Grid)
- 150% Max Backup @10s Handles Overloads
- IP66 Protects both Indoors and Outdoors
- Supports Half-wave Loading



Simplified Interaction

- Remote Upgrades Maintain System Health
- Fast Commissioning Through Bluetooth
- The newly Enhanced Solinteg EMS Platform for Peak Intelligent Energy Management



Model	IHY-30KH3S	IHY-50KH3S
Efficiency		
MPPT Tracking Efficiency	99.9%	
PV Input(PV String Input)		
Max. PV Input Power	45000W	75000W
Max.DC Input Voltage	1000V	
Start-up Voltage[V]	135V	
MPPT Voltage Range	200~950V	
Max.Input Current	40A/40A/40A/40A	
Number of MPPT Trackers	4	
AC Input (Grid Side/On-grid)		
Input Voltage Range	3L/N/PE;220/380V;230/400V;240/415V	
Nominal Operating Frequency	50/60Hz	
Max. Input Apparent Power [kVA]	60	80
AC Output (Back-up Side/Off-grid)		
Max. AC Output Apparent Power	36	60
Nominal AC Output Power	30	50
Nominal AC Output Voltage	3L/N/PE;220/380V;230/400V;240/415V	
Nominal AC Frequency	50Hz	
Peak Power (Off-Grid)	150%, 10S	
Generator Side		
Max. Input Apparent Power [kVA]	36	60
Max. Charging Power of Batter [kW]	30	50
Max. Input Current [A]	54.5	90.9
Battery		
Battery Type	Li-ion	
Rated Battery Voltage	150~840VDC	
Max.MPPT Charging Current	150A/150A	
General		
Ingress Protection	IP66	
Dimensions D*W*H(mm)	909*735*305	
Net Weight(kg)	89kg	