

# Residential and Commercial Inverter Series

## HY-50K-HT



### Specification

Model	HY-50K-HT
<strong>Battery Input Data</strong>	
Battery Voltage Range	160~800Vd.c
Max.Charging Current	50+50 (A)
Max. Discharging Current	50+50 (A)
Number of battery input	2
<strong>PV String Input Data</strong>	
Max.DC Input Power	65KW
Max.DC Input Voltage	1000Vd.c.
Min.DC Input Voltage	150Vd.c.
Start-up Voltage	250Vd.c.
Rated DC Input Voltage	600Vd.c.
MPPT Range	200~850Vd.c.
Full Load DC Voltage Range	450~850Vd.c.
PV Input Current	36+36+36+36(A)
Max.PV Isc	55+55+55+55(A)
No.of MPP Trackers	4
No.of Strings per MPP Tracker	2
<strong>AC Output Data</strong>	
Rated AC Output Power	50 kW
Max.AC Output Power	55 kW
AC Output Rated Current	72.5A
Max.AC Current	79.7A
Rated AC Voltage	220/380,230/400Vac(-20%~ +15%)
AC Wiring Mode	L1/L2/L3/N/PE,230/400Vac
Rated AC Frequency	50/60 Hz (45~55Hz/55~65Hz)
THDI	<3%(At Rated Power)
Power Factor	0.8(leading) to 0.8(lagging)
<strong>General Data</strong>	
Ingress Protection	IP65
Operating Temperature Range	-25 to 60C(>50C derating)
Humidity	0~95%(No condensation)
Cooling	Smart cooling
Altitude	3000 m (> 2000 m derating)
Communication with BMS	CAN/RS485
Monitor module	WiFi/GPRS
Installation Style	Wall-mounted
Warranty	5 years
Net Weight(KG)	70KG
Product Dimension(MM)	940*595*340MM

### Connection diagram

