












## HYBRID SOLAR INVERTER HY-50K-HT

-  Support 4 MPPT / 8 strings input.
-  Support multiple operating modes.
-  Support up to 12 parallel connections.
-  Support remote monitoring and scheduling.
-  Support two independent high-voltage battery packs.
-  Outdoor wall mounted installation with IP65 protection level.
-  Support wide voltage input and external generator connection.
-  The maximum capacity supporting the battery pack is 327.68 KWH (in design).
-  5 years warranty.

## Specification

MODEL	HY-50K-HT
<b>Battery Input Data</b>	
Battery Voltage Range	160~800Vd.c.
Max. Charging Current	50+50 (A)
Max. Discharging Current	50+50 (A)
Number of battery input	2
<b>PV String Input Data</b>	
Max. DC Input Power	65 kW
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
<b>AC Output Data</b>	
Rated AC Output Power	50 kW
Max. AC Output Power	55 kW
AC Output Rated Current	75.8 A
Max. AC Current	83.3 A
Rated AC Voltage	220/380,230/400 Vac (-20%~+15%)
AC Wiring Mode	3W+N+PE/3W+PE
Rated AC Frequency	50 /60 Hz (45~55Hz/55~65Hz)
THDI	<3% (At Rated Power)
Power Factor	0.8( leading) to 0.8(lagging)
<b>General Data</b>	
Product Dimension (D*W*H)	940*595*340 MM
Net Weight(KG)	70 KG
Protection Degree	IP65
Noise	<45dB
Operating Temperature Range	-25 to 60 °C (> 50 °C derating)
Humidity	0 ~ 95 % (No condensation)
Cooling	Smart cooling
Altitude	2000 m (> 2000 m derating)
Communication with BMS	Communication with BMS
Installation Style	Wall-mounted
Warranty	5 years