

IP65

HYBRID INVERTER



- IP65 waterproof and dustproof
- Dual outputs for smart load management
- Self-consumption and Feed-In to the grid
- Programmable supply priority for PV, Battery or Grid
- Reserved communication port for BMS (RS485,CAN-BUS or RS232)
- User-adjustable charging Current and voltage
- Programmable multiple operation modes: Grid-Tie, off-grid and grid-tie with backup
- Parallel operation up to 9 units for 6kw, 6 units for 8k

Hi series High frequency inverter data sheet

Model		HY8KIP65
	Maximum PV Input Power	8000W
	Rated Output Power	8000VA/8000W
	Maximum Charging Power	8000W
PV Input (DC)	Maximum DC Voltage	550 VDC
	Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC
	MPPT Voltage Range	90VDC-450VDC
	Number of MPP Trackers / Max Input	2 × 30A
Grid Utility Output (AC)	Nominal Output Voltage	220/230/240VAC
	Output Voltage Range	184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable)
	Nominal Output Current	35A
	Power Factor	> 0.99
Efficiency	Max Conversion Efficiency (DC/AC)	97%
AC Input	AC Start-up Voltage / Auto Restart Voltage	120-140VAC / 180VAC
	Acceptable Input Voltage Range	90-280VAC or 170-280VAC
	Frequency Range:	50Hz/60Hz (Auto sensing)
	Maximum AC input Current:	40A
Battery Mode Output (AC)	Nominal Output Voltage	220/230/240VAC
	Output Voltage Range	184-264.5VAC or 195.5-253VAC or 184-264.4VAC (Selectable)
	Nominal Output Current	35A
	Efficiency (DC to AC)	93%
Battery & Charger	Nominal DC Voltage	48Vdc
	Maximum Solar Charging Current	150A
	Maximum AC Charging Current	120A
	Maximum Charging Current	150A
Physical	Dimensions (DxWxH mm)	210x435x665
	Net Weight (kg)	32
Interface	Parallel Function:	Yes, 6 units
	Communication Port	USB or RS-232/Dry Contact/RS485/Wi-Fi
Environment	Humidity	0-95% RH (No condensing)
	IP Degree	IP65
	Operating Temperature	-25°C to 50°C