



# Single Phase Hybrid Inverter

CIS-6K-H

\*This product diagram is for reference only, the delivery in kind shall prevail!



### Optimal Power & Storage

- 97.6% Max. Efficiency ;
- DC 16A current input, compatible with high power PV module ;
- 90-135A charge/discharge current ;
- UPS Switching time <10ms ;



### Strong Load & Back-up Capability

- 130% max. back-up output overloading @60s;
- 110% continuous AC output overloading;
- DC/AC ratio up to 1.6 ;
- Support diesel generator to charge battery directly, - compatible with Li-ion and lead-acid batteries;



### Convenient Installation & Operation

- Touch free commissioning with smartphone;
- Color LCD touch screen and App for setting and -data management;
- Compact size and elegant appearance;



### Smart Management

- Remote firmware update and customizable settings;
- Free online monitoring to enhance energy management -for end user, installer and retailer;
- Programmable supply priority for PV, Battery or Grid;

MODEL	CIS-6K-H
<b>PV (DC)</b>	
Recommended Max. PV Input Power	9600 Wp
Max. Input Voltage	500 V
Start-up Voltage	125 V
Rated Input Voltage	370 V
MPPT Input Voltage Range	150-430 V
MPPT Max. Input Current	16 A
MPPT Short-circuit Current	20 A
No. of MPPT	2
No. of Strings per MPPT	1
<b>Grid (AC)</b>	
Max. Input Apparent Power	9200 VA
Rated Output Power	6000 W
Max. Output Apparent Power	6600 VA
Rated AC Voltage	L/N/PE , 220 / 230 / 240 V
Input/Output Voltage Range	180-300 V
Rated Output Voltage Frequency	50/60 Hz
Input/Output Voltage Frequency Range	(45-55)/(55-65) Hz
Rated Output Current	26.1 A
Max. Input/Output Current	40 / 28.7 A
Power Factor (Rated)	>0.99
Adjustable Power Factor Range	0.8 leading ... 0.8 lagging
Total Harmonic Distortion	<3% (Rated Power)
Grid Connection Mode	L/N/PE
<b>AC Load Output (Off-grid)</b>	
Rated Output Power	6000 W
Max. Output Apparent Power	6600 VA
Rated Output Voltage	L/N/PE , 220 / 230 / 240 V
Output Voltage Range	200-240 V
Rated Output Frequency	50/60 Hz
Rated Output Current	26.1 A
Max. Output Current	28.7 A
Total Harmonic Distortion	<3% (R Load)
On-grid/Off-grid Switching Time	<10 ms
<b>Battery (DC)</b>	
Rated Output Power	6000 W
Max.Charge/Discharge Power	6000 W
Rated Voltage	48 V <sub>DC</sub>
Battery Voltage Range	40-60 V <sub>DC</sub>
Max. Charge/Discharge Current	135 A
Communication Port	CAN/RS485
<b>Efficiency</b>	
Max. Efficiency	97.6%
Max. MPPT Efficiency	99.9%
Max. European Efficiency	96.5%
<b>Protection</b>	
Integrated Protection	Anti-flow Protection, DC Reverse Protection, DC Circuit Breaker, Insulation Resistor Detection, GFCI Leakage Current Monitoring, Output Shorted Protection, Output Over Current Protection, Grid Monitoring, Anti-islanding Protection, Residual Current Monitoring, Off-grid Overload Protection.
Surge Protection	DC Type II, AC Type II
<b>Display and Communication</b>	
Display	LCD+LED+APP
Communication	RS485, 4G (Optional) , WiFi (Optional)
<b>General Data</b>	
Dimensions (W*H*D)	492x400x200 mm
Weight	21 kg
Operating Temperature Range	-25~60°C
Noise	<35 dB
Cooling	Smart Cooling
Installation Style	Wall-mounted
Protection Rating	IP65
Warranty	5 Years
<b>Standards Compliance</b>	
Grid Connection	IEC 62116/61727, NRS 097-2-1, EN 50549/50438, C 10/11, CEI 0-21, AS 4777.2, UNE 206006/206007, VDE 4105, RD1699/661/413/244/2019, NTS Type A, UNE 217002/217001
Safety Regulation	EN/IEC 62109-1/2
Others	EN/IEC 61000-6-1/3, IEC 60068, IEC 61683

Product specifications are subject to change without further notice.