CASCA®
YOUR RELIABLE PARTNER FOR GREEN POWER

Single-phase low-voltage hybrid inverter

- Protection Rating：IP66 high protection level
- Low Voltage Startup at 60V
- Overload Capacity:2times the rated load
- 10ms off-grid switching
- Parallel Operation Support:up to 12 units can be connected in parallel
- Battery-Less Startup Capability

Model	CA-HL6K1P
PV Input	
Max. PV Power	13.2kW
Max. Input Voltage	500Vdc
Rated Input Voltage	350Vdc
Start-up Voltage	60Vdc
MPPT Voltage Range	60-420Vdc
Max.I nput Current	20A/20A
Max. Short Circuit Current	27A/27A
MPPT Number/Max. Input Strings Number	2/2
Battery Input/Output	
Battery Voltage Range	40-60Vdc
Max. Battery Charge/Dischage Current	140A/140A
Max. Battery Charge/Dischage Power	7kW/7kW
Communication	RS485/CAN
Inverter Output	
Rated Output Power	6.6kW
Max. Apparent Output Power	6.6kVA
Rated Output Current	30A
EPS Switch Time	<10ms
Rated Output Voltage/Frequency	L/N/PE 220V/230V/240V 50Hz/60Hz
Power Factor	0.8leading...0.8lagging
THDi	<2%
Grid Input	
Max.Input Power	10kW
Max. Input Current	50A
Frequency Range	40-70Hz
Input Voltage	L/N/PE 220V/230V 50Hz/60Hz
EPS Port	
Max. Output Power(Hybrid)	10kW
Max. Output Power(No Grid)	6.6kW
Max. Output Current(Hybrid)	50A
Max. Output Current(No Grid)	30A
Smart Port	
Work Mode	Second Load/Generator Input
Max. Input/Output Power	8kW
Max. Input/Output Current	40A
Rated Voltage/Frequency	L/N/PE 220V/230V/240V 50Hz/60Hz
System	
Display&Operate	3.5' LCD&Button
Max. Efficiency	97.5%
International Protection Code	IP66
Amvient Temperature	-25°C~60°C (>45°Cderating)
Humidity	0-100% (No Condensation)
Cooling Concept	Forced-air
Parallel	12 units
Decibels	45db
Inverter Main Size(L*W*H)	479*330*170mm (±2%) (Excluding Lugs and Terminals)
Inverter Net Weight	13.5kG (±2%)

Contact
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