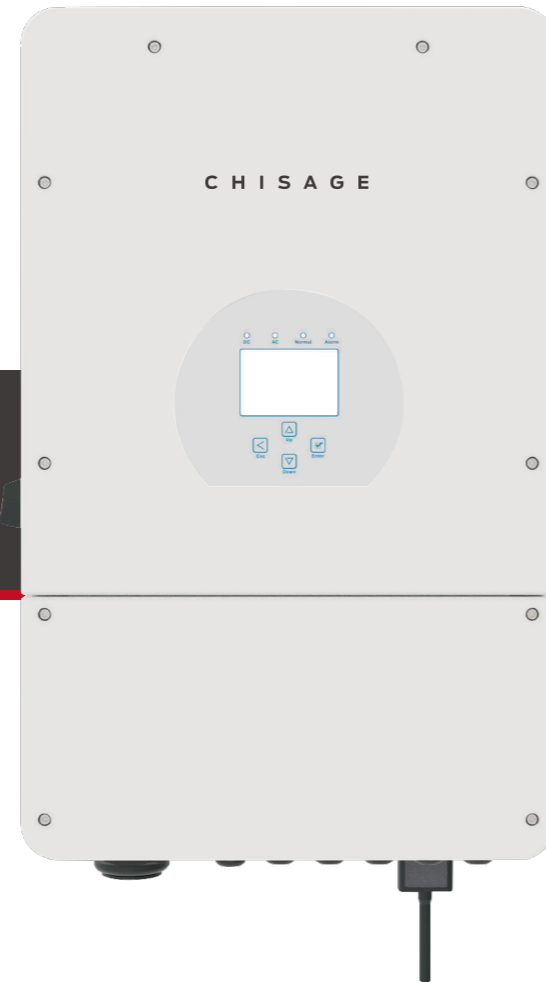


# Single Phase Hybrid Inverter

CE-1P8K1G-LE-EU



## Product Features

- Colorful touch LCD, IP65 Protection degree
- Frequency droop control, Max.9 pcs parallel
- DC couple and AC couple to retrofit existing solar system
- Support storing energy from diesel generator
- Max charging/discharging current of 190A
- 6 time periods for battery charging/discharging

## Technical Data

Model	CE-1P8K1G-LE-EU
<b>Battery Input Data</b>	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40V-60V
Max.Charging Current (A)	190A
Max.Discharging Current (A)	190A
Charging Curve	3 Stages/Equalization
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
<b>PV String Input Data</b>	
Max.DC Input Power (W)	10400W
PV Input Voltage (V)	370V(125V~500V)
MPPT Range (V)	150~425V
Full Load DC Voltage Range	300~425V
Start-up Voltage (V)	125V
PV Input Current (A)	26A+26A
No.of MPPT Trackers	2
No.of Strings Per MPPT Tracker	2+2
<b>AC Output Data</b>	
Rated AC Output and UPS Power (W)	8000W
Max AC Output Power (W)	8800W
Peak Power(off grid)	2 times of rated power, 10 S
AC Output Rated Current(A)	36.4A/34.8A/33.3A
Max.AC Current(A)	40A/38.3A/36.7A
Max Continuous AC Passthrough(A)	50A
Output Frequency and Voltage	50/60Hz; 220/230/240Vac(Single Phase)
Grid Type	Single Phase
Current Harmonic Distortion	THD<3%(Linear load<1.5%)
<b>Efficiency</b>	
Max.Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
<b>Protection</b>	
PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Surge protection	DC type II/AC type III
<b>CERTIFICATIONS AND STANDARDS</b>	
Grid Regulation	VDE0126,UNE217002,NRS097,AS47777.2,IEC62116,NBR16149,NBR16150
Safety Regulation	IEC/EN62109-1,IEC/EN62109-2
EMC	IEC/EN61000-6-1,IEC/EN61000-6-3
<b>GENERAL DATA</b>	
Operating Temperature Range (°C)	-25~60°C, >45°C Derating
Cooling	Fan
Noise (dB)	<30
Communication with BMS	RS485; CAN
Weight (kg)	32
Size (Height*Width*Depth)	670×420×233mm
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years