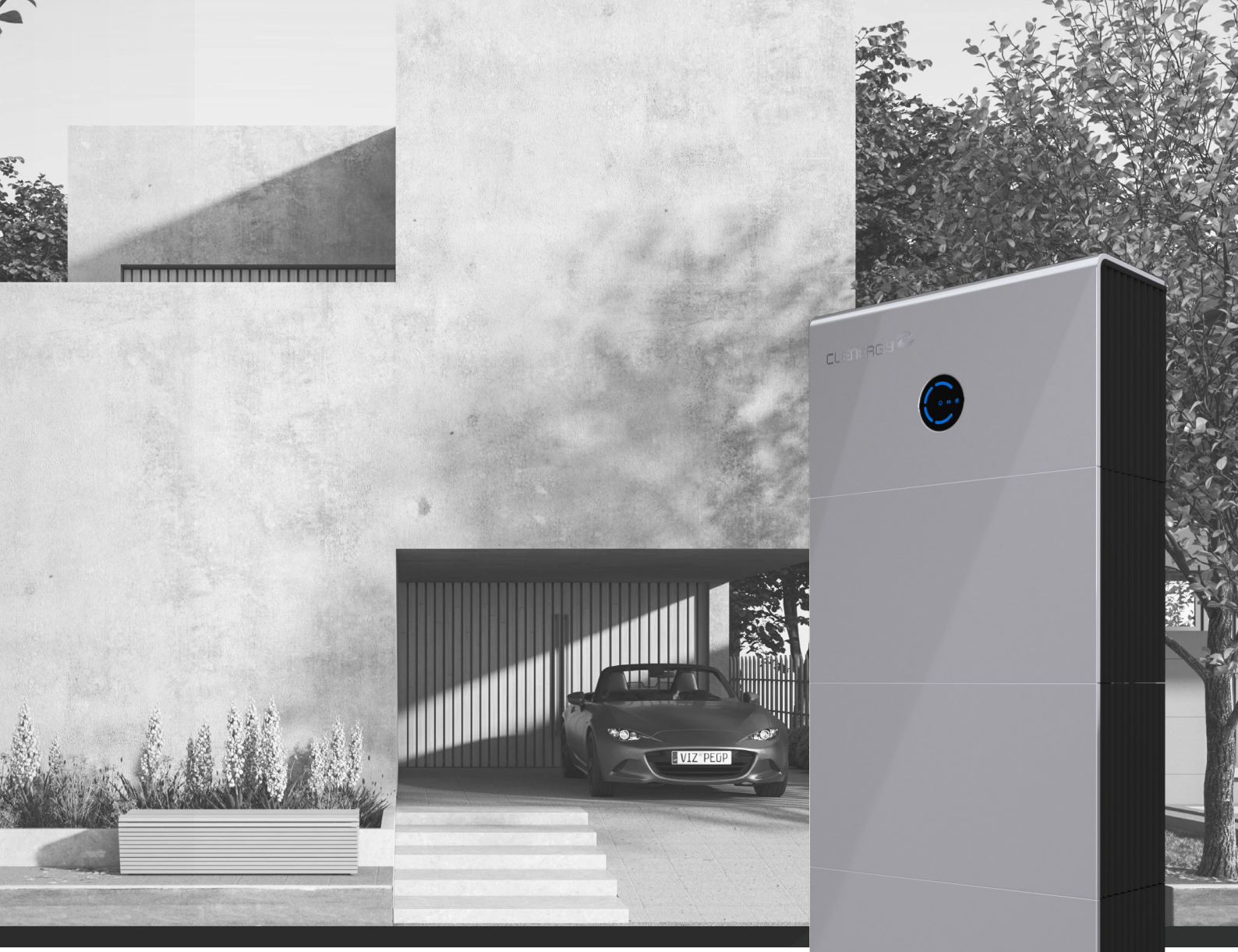


Advance Series

For the modern family who wants the energy efficient lifestyle. Clenergy brings you a home energy storage system, where energy meets elegance.

Compatibility & Scalability

- Plug & Play expansion with ease of installation
- Modular architecture sizing up to 64 kWh
- System compatible with future battery expansion
- Safer voltage, longer cycle life

Smarter Savings

- Monitor real-time energy flow
- PV oversizing up to 200% (Solar)
- Majority market PV panels suitability with maximum 4 MPPT
- Energy Management System for seamless switching between PV, battery and the grid

Future Proof Investment

- AI Insight TOU & weather prediction
- Virtual Power Plant ready
- Advanced dynamic tariff of smart charging & discharging
- Robust enclosure with IP66 rating for indoor & outdoor installation

Full-Spectrum Safety System

- High-temperature aerogel insulation pad
- Aerosol fire suppression
- Engineered heat pads design for extreme European conditions and diverse global climate
- Full cell-level temperature sensors
- Explosion venting

Battery Module

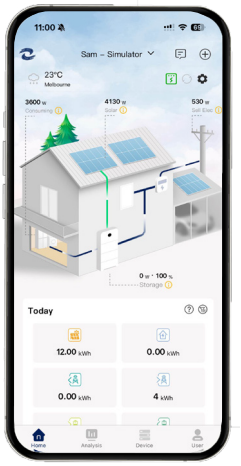
Product Model	CGI E6.0HS	CGI E7.0HS	CGI E8.0HS
Electrical Specifications			
Battery Chemistry	Lithium Ferro Phosphate (LFP)		
Rated Energy (kWh)[1]	6.03	7.03	8.04
Usable Energy (kWh)[1]	5.88	6.89	7.88
Rated Power (kW)	3	3.5	4
Rated Voltage (V)	330Vdc (Single Phase System) 660Vdc (Three Phase System)		
Battery Voltage Range (V)	280-380Vdc (Single Phase System) 560-760Vdc (Three Phase System)		
Scalability	Up to 8 x Battery Units (>4 modules requires 1x BDU)		
General Data			
Net Weight (kg)	61.7	66.1	70.5
Dimension (W x H x D,mm)	680 x 370 x 260		
Communication	CAN		
Operating Ambient Temperature Range[2] (°C)	Discharge: -20 ~ 55 | Charge: -20~ 55		
Max.Operating Altitude (m)	<3000 (>2000 Deratings)		
Relative Humidity (%)	0~100(Non-Condensing)		
Cooling Method	Natural Convection		
Fire Suppression	Yes		
Heating Pads - Extreme Low Temperature	Yes		
Auto-Configuration Function	Yes		
Ingress Protection	IP66		
Mounting Method[3]	Floor / Wall Mounted		
Standards and Certifications	IEC 62619, IEC 62040, IEC 60730, EN 61000-6-1, EN 61000-6-3, UN38.3, SA TS 5398		

[1] Test conditions: Cell Voltage 2.5 - 3.65V, 0.2C charge & discharge at +25 ±2°C for battery system at beginning life.
[2] Data captured when Heating Pads have been enabled. Temperature performance various from laboratory.
[3] Additional accessories required: 1 x Wall-mount bracket for every 2 x batteries

Clenergise 2 - Mobile App

- Elegant Energy Dashboards - Flows & Insights & Management
- User Ticket Management - Instant After Sales Services
- Usage & Generation Reports Tracking
- Virtual Power Plant Capable
- User-friendly Alerts & Notifications

From rooftop to battery, full control of your energy, in the palm of your hand.



Available now on

iOS

Android

Single Phase Inverter

Product Model	CGH S3.6H	CGH S4.6H	CGH S5.0H	CGH S6.0H	CGH S8.0H	CGH S9.9H	CGH S12.0H
Electrical Specifications							
Number of Battery Modules per Inverter	1 - 8 Units(>4 modules requires 1x BDU)						
Battery Voltage Range (V)	280-380						
Max. Charging / Discharging Power (kW)	3.6/3.6	6.0/4.6	6.0/5.0	6.0/6.0	12/8	12/9.9	12/12
DC PV Parameter							
Max. Input Power (kW)	7.2	9.2	10	12	16	20	24
Max. Input Voltage (V)	600						
Start-up Voltage (V)	65						
Rated Input Voltage (V)	360						
MPPT Voltage Range (V)	60-550						
Number of MPPTs	2				4		
Number of Strings per MPPT	1						
Max. MPPT Current (A)	16 / 16				16 / 16 / 16 / 16		
Max. MPPT Short Circuit Current	23 / 23				23 / 23 / 23 / 23		
AC Specifications (Output Data on Grid)							
Rated Power (kW)	3.6	4.6	5	6	8	9.999	12
Max. Output Apparent Power (kVA)	3.6	4.6	5	6.6	8.8	9.999	12
Max. Apparent Power Input from Grid (kVA)	7.2	9.2	10	12	14.5	14.5	14.5
Rated AC Current Output to Grid (A)	16.4	20.9	22.7	27.3	36.4	45.4	54.5
Max. AC Current (A)	16.4	20.9	22.7	30	40	45.4	54.5
Max. AC Current from Grid (A)	32.7	41.8	45.5	50	63	63	63
Rated Grid Voltage (V) | Frequency (Hz)	220/230/240 | 50/60						
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)						
THDi (@Nominal Output) (%)	<3						
Efficiency							
Max. Efficiency PV to Grid (%)	97.4						
European Efficiency PV to Grid (%)	96				96.5		
Backup Specifications (AC Output)[1]							
Rated Active Power (kW)	3.6	4.6	5	6	8	9.999	12
Max. Apparent Power (kVA)	3.6	4.6	5	6.6	8.8	9.999	12
Peak Output Power (System) (kVA)	7.2@10s	9.2@10s	10@10s	12@10s	16@10s	20@10s	20@10s
Rated Output Current (A)	16.4	20.9	22.7	27.3	36.4	45.4	54.5
Max. Output Current (A)	16.4	20.9	22.7	30	40	45.4	54.5
Rated Voltage (V) | Frequency (Hz)	220/230/240 | 50/60						
THDv (Linear load) (%)	<3						
Protections							
PV Reverse Polarity	Yes						
PV Insulation Resistance Detection	Yes						
Anti-Islanding	Yes						
AC OverVoltage	Yes						
AC Overcurrent	Yes						
AC Short Circuit	Yes						
Leakage Current Monitoring	Yes						
DC Switch (Solar)	Yes						
Overvoltage Category	DC:OVC II, AC:OVC III						
AFCI	Optional						
General Data							
Backup Power Switching Time (ms)	<10						
Inverter Topology	Non-isolated						
Mounting Method	Floor/ Wall Mounted						
User Interface	LED Central Display & Mobile Application						
Communication	Wi-Fi , RS485, Fast Ethernet, Optional: Ethernet / 4G						
Communication with Battery Distribution Unit	CAN						
Operating Temperature Range (Ambient) (°C)	-25 ~ +60						
Max. Operation Altitude (m)	<3000 (>2000 Deratings)						
Relative Humidity (%)	0 ~ 100 (Non-Condensing)						
Cooling Method	Natural Convection				Smart Fan Cooling		
Ingress Protection	IP66						
Weight (kg)	26.5				36		
Dimension (W x H x D,mm)	680 x 370 x 265				680 x 430 x 265		
Standards & Certifications	EN 61000-6-1, EN 61000-6-3, IEC 62109-1 / 2,AS / NZS 4777.2, G98,G99,VDE 4105,EN 50549-10						

[1] Full Home Backup & Generator Integration options are available with an accessory - Clenergy Gateway. See the installation manual for further details

Three Phase Inverter

Product Model	CGH T5.0H	CGH T6.0H	CGH T8.0H	CGH T10.0H	CGH T12.0H
Battery Specifications					
Number of Battery Modules per Inverter	1 - 8 Units (>4 modules requires 1x BDU)				
Battery Voltage Range (V)	560-760				
Max.Charing/Discharging Power (kW)	6 / 5	6 / 6	12 / 8	12 / 10	12 / 12
Max.Charging Current (A)	11	11	22	22	22
Max.Discharging Current (A)	9	11	14.5	18	22
Communication with BMS	CAN				
PV Data					
Max. Input Power (kW)	10	12	16	20	24
Max. Input Voltage (V)	1000				
Start-up Voltage (V)	180				
Rated Input Voltage (V)	600				
MPPT Operating Voltage Range (V)	160 - 950				
MPPT number/ Input strings number per MPPT	2 / 1			3 / 1	
Max.Input Current per MPPT (V)	16 / 16			16 / 16 / 16	
Max. Input Short Circuit Current per MPPT (A)	23 / 23			23 / 23 / 23	
AC Output Data (On Grid)					
Rated Active Power (kW)	5	6	8	10	12
Max. Output Apparent Power (kVA)	5.5	6	8.8	11	13.2
Rated AC Current Output to Grid	7.6A(380V) 7.2A(400V)	9.1A(380V) 8.7A(400V)	12.2A(380V) 11.6A(400V)	15.2A(380V) 14.4A(400V)	18.2A(380V) 17.3A(400V)
Max. AC Current Output to Grid	8.4A(380V) 7.9A(400V)	10.0A(380V) 9.5A(400V	13.4A(380V) 12.7A(400V)	16.7A(380V) 15.9A(400V)	20.0A(380V) 19.0A(400V)
Max.Apparent Power Input from Grid (kW)	10	12	16	20	24
Max. AC Current from Grid	15.2A(380V) 14.5A(400V)	18.2A(380V) 17.4A(400V)	24.2A(380V) 23.2A(400V)	30.3A(380V) 29.0A(400V)	36.4A(380V) 34.8A(400V)
Rated Grid Voltage (V) | Frequency (Hz)	3L/N/P | 220/380; 230/400 | 50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDi (@Nominal Output) (%)	<3				
AC Output Data (Backup)[1]					
Rated Active Power (kW)	5	6	8	10	12
Max. Output Apparent Power (kVA)	5.5	6.6	8.8	11	13.2
Peak Output Power (System)	7500VA@60s	9000VA@60s	12000VA@60s	15000VA@60s	18000VA@60s
Rated Output Current	7.6A(380V) 7.2A(400V)	9.1A(380V) 8.7A(400V)	12.2A(380V) 11.6A(400V)	15.2A(380V) 14.4A(400V)	18.2A(380V) 17.3A(400V)
Max. Output Current	8.4A(380V) 7.9A(400V)	10.0A(380V) 9.5A(400V	13.4A(380V) 12.7A(400V)	16.7A(380V) 15.9A(400V)	20.0A(380V) 19.0A(400V)
Rated Grid Voltage (V) | Frequency (Hz)	3L/N/P | 220/380; 230/400 | 50/60				
THDi (@Nominal Output) (%)	<2				
Efficiency					
Max. Efficiency PV to Grid (%)	97.4				
European Efficiency PV to Grid (%)	96				
Protections					
PV Reverse Polarity	Yes				
PV Insulation Resistance Detection	Yes				
Anti-Islanding	Yes				
AC OverVoltage	Yes				
AC Overcurrent	Yes				
AC Short Circuit	Yes				
Leakage Current Monitoring	Yes				
DC Switch (Solar)	Yes				
Overvoltage Category	DC:OVC II, AC:OVC III				
AFCI	Optional				
General Data					
Backup Power Switching Time (ms)	<10				
Inverter Topology	Non-transformer				
Mounting Method	Floor/ Wall Mounted				
User Interface	LED & APP				
Communication	Wi-Fi , Optional: Ethernet / 4G				
Communication with Battery Distribution Unit	CAN				
Operating Temperature Range (Ambient) (°C)	-25 ~ +60				
Max. Operation Altitude (m)	<3000 (>2000 Deratings)				
Relative Humidity (%)	0 ~ 100 (Non-Condensing)				
Cooling Method	Smart Fan Cooling				
Ingress Protection	IP66				
Weight (kg)	38				
Dimension (W x H x D,mm)	680 x 430 x 265				
Standards & Certifications	EN 61000-6-1, EN 61000-6-3, IEC 62109-1 / 2,AS / NZS 4777.2, G98,G99, VDE 4105,EN 50549-10				

[1] Full Home Backup & Generator Integration options are available with an accessory - Clenergy Gateway. See the installation manual for further details