

US-Standard 120V



CEG-IVP-12K-10KWH/20KWH/30KWH-US

Stacked Home Energy Storage System US-Standard



Less Waste, Max Storage

High energy density and efficient energy utilization



Safe and Powerful Technology

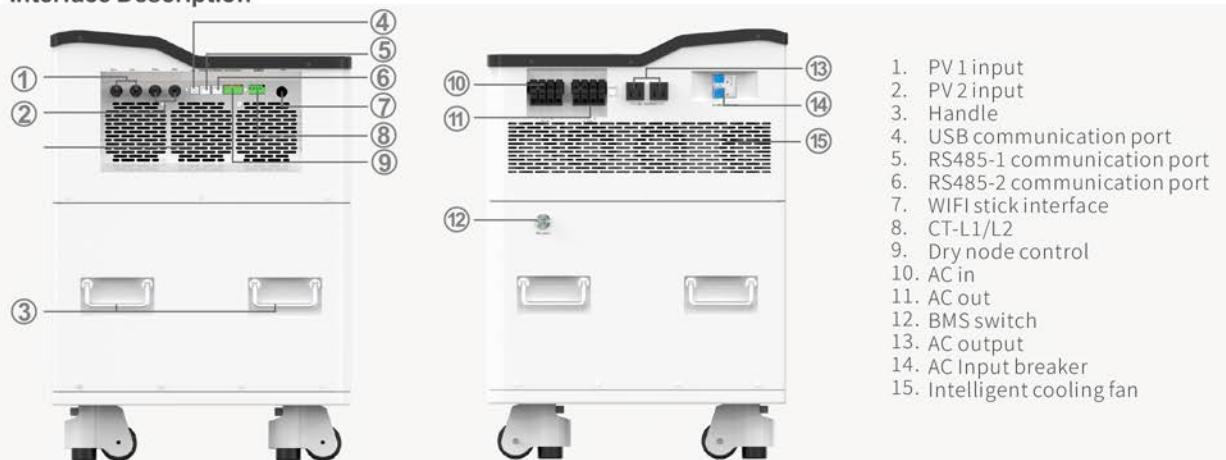
LFP (LiFePO4) battery cell, electrical isolation, external short circuit protection



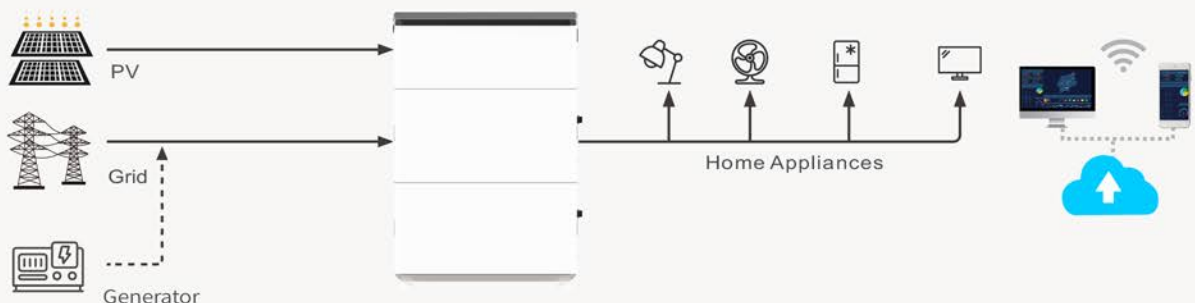
Power for Your Home

This battery storage system stores energy, detects outages and automatically becomes your home's energy source when the grid fails. Unlike a generator, it keeps your lights on and your phone charged without maintenance, fuel or noise. Pair with solar and charge with sunlight to keep your appliances running for days.

Interface Description



Solar System Connection



Product Specifications

Model	CEG-IP-12000-10KWH-US		CEG-IP-12000-20KWH-US	CEG-IP-12000-30KWH-US
Battery data				
Battery type	LiFePO4			
Battery nominal voltage (Vdc)	51.2			
Battery capacity (WH)	10240	10240X2	10240X3	
Number of Batteries	1	2	3	
Max. charging current/output current (A)	100/150			
Rated charging /discharge power (W)	150A/7500W	150A/12000W		
Charging temperature(°C)	0~55			
Discharging temperature(°C)	-20~55			
Output				
USBA*4	MAX 18W (QC Output: 5V/2.4A or 9V/2A or 12V/1.5A) *2			
TYPE-C*2	MAX 100W (PD Output: 5V/3A or 9V/3A or 12V/3A or 15V/3A or 20V/5A) *1			
5525DC power socket * 2	12V2A*1			
AC socket * 4	1000W*2			
Total power of AC socket	12000W			
Input Data (PV)				
Max. input Power (W)	6000X2			
Max. input voltage (Vdc)	500Vdc			
MPPT Operating Voltage Range(Vdc)	120-450			
Start voltage (Vdc)	120			
Single MPPT input current (A)	22+22			
Number of MPPTs	2			
AC Output (Grid connected)				
Grid connected output nominal power (VA)	12000			
Max. power output/input for grid connection (VA)	12000			
Rated output voltage (Vac)	120 (L1/N,L2/N) /240Vac(L1/L2)			
Output voltage range (Vac)	90-130			
Rated operating frequency (Hz)	50/60(±0.2%)			
Max. output/input current for grid connection (A)	63			
Conversion time (ms)	10			
THD	<3%			
AC output (Off grid)				
Off grid output nominal power (VA)	12000			
Max. output power of off grid (VA)	12000			
Max. off-grid output current (A)	63			
Rated output voltage (Vac)	120 (L1/N,L2/N) /240Vac(L1/L2)			
Output voltage range (Vac)	90~130			
Rated operating frequency (Hz)	50/60(±0.2%)			
THD	<3%			
Efficiency				
Max. Efficiency	>95%			
Max. DC-AC transformation efficiency	>92%			
MPPT Efficiency	99.9%			
General Data				
Operating Temperature (°C)	-15~55 °C (>45 °C derating operation)			
Relative Humidity	5%-95%			
Noise (Normal)(dB)	≤60			
Communication	Wi-Fi / GPRS/USB/RS485			
Cooling Method	fan cooling			
Ingress Protection	IP21			
Inverter+Base Package Size (LxWxH) (MM)	762*522*522			
Inverter+Base Package Weight (kg)	54			
Battery pack Package Size (LxWxH) (MM)	762*522*462			
Battery pack Package Weight (kg)	110			
Optional function				
WIFI function	☐ YES ☐ NO			
Grid anti backflow CT	☐ YES ☐ NO			