

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE

60kW Online Hybrid System Product

PRODUCT FEATURE



High-Integrated

- PV and energy storage access
- Grid and diesel engine access
- Integrated local EMS



Convenient

- Local EMS, flexible customization
- Support DC multiple access
- Modular design, easy expansion
- 100% unbalanced load access
- On-grid and off-grid switching



CHB-60K000UNOL

CHB-M12000UNOL

TECHNICAL SPECIFICATION

	CHB-60K000UNOL	CHB-M12000UNOL
PV Side parameters		
Maximum input power [kW]	60	120
Maximum DC voltage [Vd.c]	680	680
MPPT voltage range [Vd.c]	200~680	200~680
Starting voltage [Vd.c]	200	200
Number of MPPT channels	1	1
PV input channels	1	1
Maximum input current [Ad.c]	160	160
Battery Side parameters		
Battery voltage range [Vd.c]	680~1000	680~1000
Rated battery voltage [Vd.c]	800	800
Number of battery connections	1	1
BMS communication interface	CAN	CAN
AC On-Grid Side parameters		
Rated AC power [kVA]	60	120
Rated grid voltage [Va.c]	230/400	230/400
AC access method	3P4W+PE	3P4W+PE
Rated grid frequency [Hz]	50	50
Rated AC current [Aa.c]	86	172
Maximum AC current [Aa.c]	100	100
Harmonic content THDi	≤3%	≤3%
Power factor	0.8cap~0.8ind	0.8cap~0.8ind
AC off-Grid Side parameters		
Rated power [kW]	60	120
Rated AC voltage [Va.c]	230/400	230/400
Electrical connections	3P+N+PE	3P+N+PE
Output rated frequency [Hz]	50	50
Output rated current [Aa.c]	86	86
Unbalanced load capacity	100%	100%
System parameters		
MPPT efficiency	99.9%	99.9%
Maximum efficiency	97%	97%
Battery charge/discharge efficiency	98.5%	98.5%
On-grid and off-grid switching time	0ms	0ms
Working temperature [°C]	-30~60 (>+45°C, Derating)	-30~60 (>+45°C, Derating)
Allowable relative humidity	≤95%, No Condensation	≤95%, No Condensation
Noise	65dB	65dB
Dimensions (width * depth * height) [mm]	800*800*1800	800*800*1800
Weight [kg]	270	300
Protection level	IP20	IP20
cooling method	Forced Air Cooling	Forced Air Cooling
Communication Interface	Ethernet, RS485	Ethernet, RS485
Altitude [m]	≤3000	≤3000
Display	Touch Screen	Touch Screen

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