

# COMMERCIAL AND INDUSTRIAL ENERGY STORAGE

60kW Hybrid System Product

## PRODUCT FEATURE



### High-Integrated

- PV and energy storage access
- Integrated ATS / STS
- 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-60K000UNSD

## TECHNICAL SPECIFICATION

PV Side parameters	
Maximum input power[kW]	60
Maximum DC voltage [Vd.c]	800
MPPT voltage range [Vd.c]	200~680
Starting voltage [Vd.c]	200
Number of MPPT channels	1
PV input channels	1
Maximum input current [Ad.c]	200
Battery Side paramters	
Battery voltage range [Vd.c]	680~1000
Rated battery voltage [Vd.c]	800
Number of battery connections	1
BMS communication interface	CAN
AC On-Grid Side parameters	
Rated AC power [kVA]	60
Rated grid voltage [Va.c]	230/400
AC access method	3P+N+PE
Rated grid frequency [Hz]	50
Rated AC current [Aa.c]	86
Maximum AC current [Aa.c]	100
Harmonic content THDi	≤3%
Power factor	0.8cap~0.8ind
AC off-Grid Side parameters	
Rated power [kw]	60
Rated AC voltage [Va.c]	230/400
Electrical connections	3P+N+PE
Output rated frequency [Hz]	50
Output rated current [Aa.c]	86
Unbalanced load capacity	100%
System parameters	
MPPT efficiency	99.9%
Maximum efficiency	97%
Battery charge/discharge efficiency	98.5%
On-grid and off-grid switching time	≤20ms
Working temperature [°C]	-30 ~ 60 (>+45°C,Derating)
Allowable relative humidity	≤95%, No Condensation
Noise	65dB
Dimensions (width * depth * height) [mm]	800*800*1800
Weight [kg]	300
Protection level	IP20
Cooling method	Forced Air Cooling
Communication Interface	Ethernet、RS485
Altitude [m]	≤3000
Display	Touch Screen

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