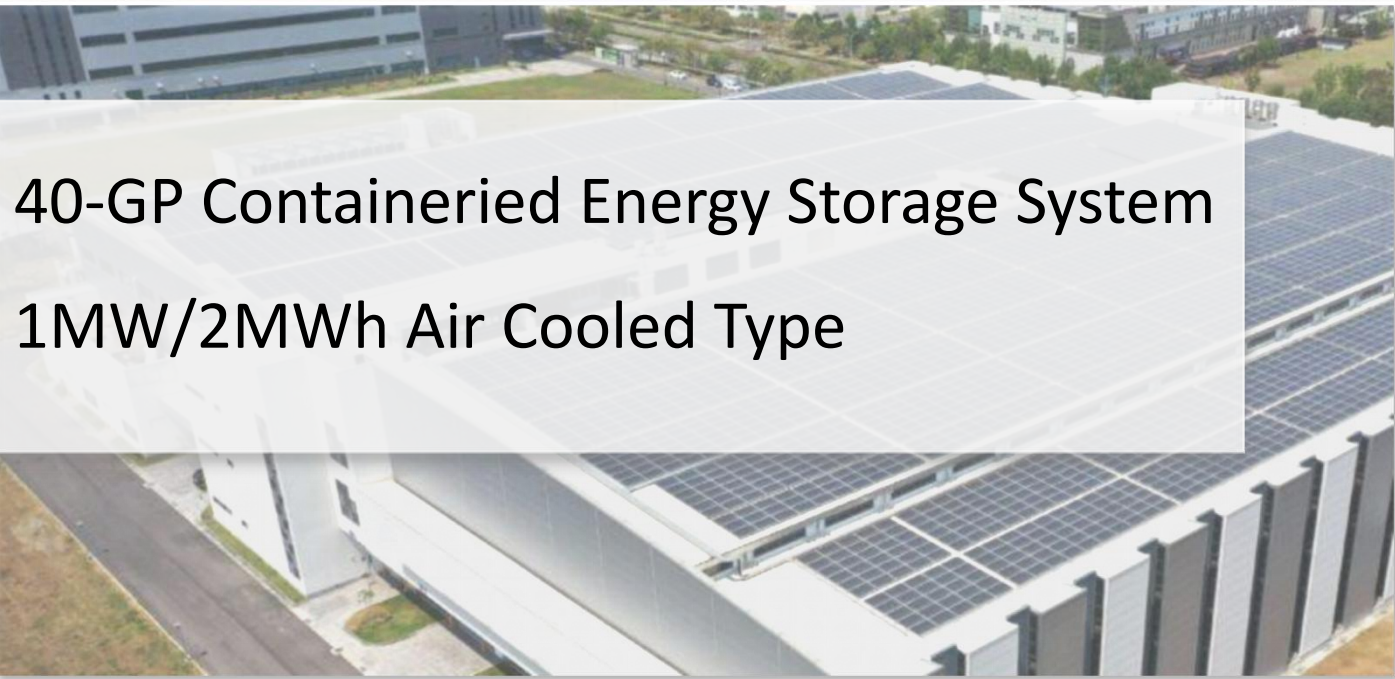




40-GP Containeried Energy Storage System

1MW/2MWh Air Cooled Type



IP54



Convenient
Transportation



Space-Saving



EMS Local Data
Management



Easy Installation And
Maintenance

- The system can expand to 100 MWH
- AC and DC integrated dual power supply system
- Two-way active balancing
- High-precision battery SOX estimation
- Modular design, flexible capacity configuration

- Intelligent dynamic constant temperature design
- Full life cycle quality tracking and quality analysis
- Pack level detection protection, multi-level gas + water fire protection Automatic fire extinguishing system

PRODUCT PARAMETERS

Model	Hbowa-1000kW/2000kWh)
PCS parameters	
Rated capacity	1000kW (Two 500kW in parallel)
Rated voltage	400V
Rated current	722A
Rated frequency	50/60Hz
THDi	<3%
THDu	<1% linear; or≤5% nonlinear
Power factor	1leading-1lagging (settable)
Grid type	3W+N+PE
Overload capacity	110% long-term, 120% 1min
MPPT voltage range	250~1000V
PCS brand	Megarevo MPS / ATESS / Other
General parameters	
Degree of protection	IP20 (Indoor)
Display	LCD touch-screen
Relative humidity	0 ~ 95% (no condensation)
Noise	< 70dB
Operation temperature	-30°C to + 55°C
Cooling mode	Air Cooling
Altitude	3000m (> 3000m Derating)
Communication interface	RS485/CAN, TCP/IP
Dimensions (W * D * H)	(600*720*2050mm)*2 (DC/DC model) +1600*1050*2050mm
Weight (approx.)	3205/3235/3265kg
Battery parameters	
Battery rated capacity	2150kWh (768V280Ah 215kWh*10)
Battery rated voltage	768V (51.2V*15)
Battery voltage range	672~864V
Series of Battery	10P*16S*15S
Adaptive battery	LiFePO4
Rated capacity (Ah)	2800Ah (280Ah*10)
Max. Charge/Discharge Current	1400A@25°C
Each battery pack	51.2V280Ah
Cell Capacity	280Ah
General parameters	
Degree of protection	IP54
Working Temperature	0°C~50°C Charge -10°C ~50°C Discharge
Transport or Storage Temperature Range	-20C~60C
Relative humidity	5%-95% (no condensation)
Fire extinguishing system	Aerosol/Perfluorohexane/heptafluoropropane pipeline fire extinguishing system
Battery compartment cooling method	Air-conditioning cooling
Efficiency	96%
Altitude	<2000
Cycle Life	(0.5C/0.5C-80% DOD) >6000 times
Certification	CE/IEC/UN38.3/MSDS/ROHS
Communication interface	RS485/CAN/BUS/Modbus TCP/IP
Dimensions (W * D * H)	12192*2896*2438mm
Weight (approx.)	43t (Box weight: 15t, Battery weight: 28t)

※The manual is for reference only and is subject to actual communication.