



OLP-HEIC SERIES

500kW/1205kWh
Micro-Grid Container
500kW/1446kWh
Micro-Grid Container



The OLP-HEIC Micro-Grid Container is a fully integrated solution combining LFP battery, PCS, built-in PV MPPT modules, EMS, thermal management, and fire protection in one container.

Its modular and pre-engineered design allows for rapid deployment, making it an ideal solution for industrial facilities, commercial buildings, island microgrids, mining operations, and remote energy projects.

PRODUCT FEATURES

Integrated integration

- The system adopts All in one design, integrating battery system, energy storage PCS, photovoltaic inverter, diesel generator interface, EMS, temperature control system, Fire protection system, distribution box device, etc.
- Build a complete microgrid system, which can be put into use quickly after photovoltaic is connected and loaded.

Flexible capacity expansion

- It can support up to 4 energy storage containers to operate in parallel.
- Adapt to different power and capacity requirements and be compatible with various diesel generators.
- Through can complement each other and intelligent control, to provide customers with optimal customization combination plan.

Flexible Deployment

- Standard 20-foot container design, high degree of modularity, simple structure.
- Strong environmental adaptability, easy installation and maintenance.

Smart Maintenance

- Full-time data monitoring and real-time perception of equipment status.
- Intelligent operation strategy to achieve automatic control of equipment.
- Cloud monitoring, real-time query of running status, active notification of fault information.

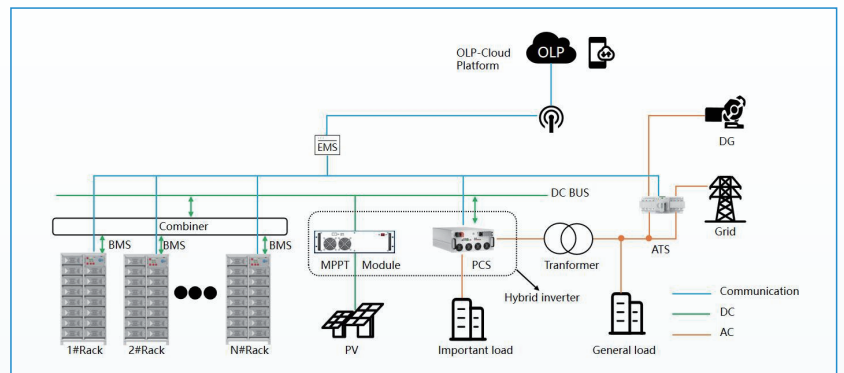
TECHNICAL PARAMETER

Model	OLP-HEIC Micro-Grid Container		
Battery System	Cell Type	LFP	
	Cell Parameter	3.2V/314Ah	
	Cell Configuration	5P240S	6P240S
	Rated Energy	1205kWh	1446kWh
	Rated Voltage	768V	
PV Input	Max. PV Input Voltage	1000V	
	Max. PV Power	600/660/720kW	
	No. of MPPT	10/11/12	
	MPPT Voltage Range	250-850V	
On-Grid Output	Rated output Power	500kW	
	Max. output Power	550kW	
	Type of Power Grid	3W+N+PE	
	Grid Voltage	400(320-460)V	
	Rated output Current	722A	
	Rated Grid Frequency	50(45-55)/60(55-65)Hz	
	Power Factor	1 leading~1lagging (Configurable)	
Off-Grid Output	THDi	<3%	
	Rated output Power	500kW	
	Max. output Power	550kW	
	Rated output Voltage	400V	
	Rated output Current	722A	
	THDU	≤1% linear; Or ≤5% nonlinear	
	Rated output Frequency	50/60Hz	
System	Overload capacity	110% for a long time, 120% for 1 minute	
	Thermal Management	Air-conditioner	
	Fire Suppression System	Perfluorohexanone, water spray	
	Communication interface	CAN, RS485 etc	
	DG Connection	Support	
	Safety Protection System	Access Control System, Waterlogging Sensor	
	Dimension(WDH)	20 Foot, 6058*2438*2896 mm	
	Weight	20T	22T
	IP Rating	IP54	
	Working Temperature	-20-50°C	
	Humidity	0-95%(No condensation)	
	Latitude	≤3000m	
Certification	UN38.3; IEC62619; IEC61000; IEC62040		

INSTALLATION DIMENSIONS



TYPICAL APPLICATION



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