



安瑞哲
ANRI POWER LIMITED

500kW/1000kWh Containerized Energy Storage System

⚡ 20' CONTAINER

Safe

- Three fire extinguishing modes: automatic, manual, and emergency start/stop
- Fire extinguishing agents: heptafluoropropane / perfluorohexane

Integrated

- Prefabricated cabin installation for easy installation
- Walk-in space for easy operation and maintenance

Flexible

- Liquid cooling or air cooling optional
- Customized cost reduction solutions

Commercial and Industrial Use

- The 380V low-voltage grid connection
- Easy grid connection and low cost



Technical Parameters

ANPLHULK5001000

AC side parameters

Grid Voltage Range [V]	AC400 (-10%~+10%)
Grid Frequency Range [Hz]	50 / 60
Rated Power [kW]	500/AC (lasting)
Overload Capacity	110% (long period)
Total Current Waveform Distortion Rate (THDi)	<3% (rated power rate)
Isolation Method	Grid isolation for power frequency transformers
Power Factor	≥0.99 (advanced or delayed)
High Voltage Traversal	Equipped
Low Voltage Traversal	Equipped
Prevent Island Protection	Equipped
Electrical Safety Protection	Equipped

DC side Parameters

Battery Type	Lithium-ion Battery (LFP)
Rated Capacity [kWh]	1000
Rated Voltage [V]	716.8
Voltage Range [V]	627.2 ~ 806.4
Max Charge / Discharge Current	0.5P / 0.5P
Battery Discharge Depth	DOD 90%
Life Cycle (cell)	8000 (EOL70%, 25°C)
Battery Heat Dissipation	Air cooling / liquid cooling
Efficiency	≥94%

System Parameter

System Efficiency	≥86%
Protection Rating	≥IP54
Dimension [W*D*H] [mm]	6058*2800*2896 (20')
Operating Altitude [m]	≤2000
Operating Temperature Range [°C]	-20~55
Allow Relative Humidity	0 ~ 95%, no condensation
Weight [T]	≤18

Communication Mode

Communication Protocols for Host Computer	Modbus TCP / IP / RS485
Communication Interface	TCP IP / RS485 / CAN

Standard:

IEC62619、IEC63056:2000、IEC61000-6-2&-6-4、IEC624777-1

ANPL

Copyright © 2024 ANRI Power Limited. All rights reserved.



✉ info@anripower.com

🌐 www.anripower.com

📍 No. 1588, Maixin Road,
Songjiang District, Shanghai, China