

# AIR COOLING ESS HYX-EF215P2 HYX-EF215P2-S



### **Extreme Performance, More Grid Friendly**

- Supports 8 units parallel on grid, system can cover 100kW/215kWh~800kW/1.72MWh
- Single unit supports seamless switching, off-grid switching time ≤ 20ms
- Three-phase four-bridge arm architecture supports single-phase 100% unbalanced load function
- PCS supports high and low penetration, island, and black start, support reactive power compensation, harmonic treatment

## Safety & Reliable Performance

- Multi-level fire protection system
- · Battery compartment and electrical compartment are isolated
- Certification: UN38.3, CE, IEC62619, 1.2m drop test, IEC 62477, IEC 61000

# **Multi-strategy Applications**

- · Integration of EMS inside
- Support peak shaving and valley filling, demand control, emergency backup power supply and other power consumption strategies
- Support MQTT protocol and IEC104 protocol, can participate in peak and frequency modulation

## Easy to Install & Maintain

- Pre-installation and pre-test are available at the factory, Quick on-site construction wiring installation
- Support hoisting/fork construction methods
- Modular design, maintenance worry-free
- Remote O&M management, support WEB, Cloud & APP

### www.hyxipower.com

attery Type     LiFeP04       ell Capacity     7280A       stery Configuration     1P240S       connail Attage/Nottage Range     728/87/2 KeAV       connail Charge/Discharge Current     280A       connail Charge/Discharge Current     280A       connail Charge/Discharge Current     140A       alendar Life     6.000 / 70%EOL 255-2°C, 0.5P)       CC Grid Rating       CC Grid Rating       S00/60Hz       Colspan="2">Colspan="2"       Colspan="2"       Colspan="2"       Colspan="2"       Colspan="2"       Colspan="2"       Colspan="2	Product Model	HYX-EF215P2	HYX-EF215P2-S	
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taximum Charge/Discharge Current     100A       tominal Charge/Discharge Current     6.000 / 70%EOL (25:52°C, 0.59°)       contral Input/Output Voltage     5.0/60/12       tominal Input/Output Voltage     5.0/60/12       tominal Input/Output Voltage     5.0/60/12       tominal Input/Output Power     5.0/60/12       tominal Input/Output Apparent Power     100kW       tominal Input/Output Apparent Power     100kW       tominal Input/Output AC Current     166A       tominal Input/Output AC Current     160A       tominal Input/Output AC Current     30/0KPE (400/250V       tominal Input/Output AC Current     160A       tominal Input/Output AC Current     160A       tax. Active Power     1       tominal Input/Output AC Current     160A       tax. Active Power     1       tower Factor     20 to 50°C       tower Factor     20 to 50°C       tower Factor     20 to 50°C       toweretactor     475dB <tr< td=""><td></td><td colspan="2"></td></tr<>				
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alandar Life     6,000 / 70%EOL (255-2°C, 0.5P)       CK Grid Rating     3L/N/PE, 400/230V       tominal hput/V0utput Voltage     3L/N/PE, 400/230V       tominal hput/V0utput Rower     100kW       tax. Input/V0utput Rower     100kW       tax. Input/V0utput AC Current     160A       tominal hput/V0utput AC Current     -09% + 40.9%, At nominal power       CK Backur Rating     -09% + 40.9%, At nominal power       CK Backur Rating     /       tominal hput/V0utput AC Current     -0.9% + 40.9%, At nominal power       CK Backur Rating     /       tominal NotAge     /       tominal NotAge     /       tominal NotAge     /       tominal NotAge     /       tominal Frequency     /       tominal NotAge     /       tox Active Power     100kW       tox Active Power     -0.99% + 10.90KM       tox Active Power     -0.99%, At nominal Power       tox Active Power     -0.9				
C Grid Rating     3L/NPE, 400/230V       tominal Input/Output Votage     50/60Hz       tominal Input/Output Rower     100KW       tax. Input/Output Aparent Power     100KW       tax. Input/Output Aparent Power     100KW       tax. Input/Output Aparent Power     100KW       tax. Input/Output Ac Current     145A       tominal Input/Output AC Current     16A       ower Factor     -0.99% + 40.99%, At nominal power       CB Backup Rating     /     SUNPE, 400/230V       tominal Notage     /     SUNPE, 400/230V       tominal Notage     /     SUNPE, 400/230V       tominal Notage     /     SUNPE, 400/230V       tominal Forguency     /     SUNPE, 400/230V       tominal Forguency     /     SUNPE, 400/230V       tax. Active Power     /     SUNPE, 400/230V       tax. Active Power     /     100KW       ower Factor     -0.99% + 4.099%, At nominal Power       isperating Temperature Range     -0.95% RH       operating Munidity Range     0.95% RH       timensions (WHPD)     1750*2200*1170mm       Weight <t< td=""><td></td><td colspan="2"></td></t<>				
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Owner Factor     -0.99% + +0.99%, At nominal power       CC Backup Rating     /     SL/NI/PE, 400/230 V       Iominal Voltage     /     SU/NI/PE, 400/230 V       Iominal Frequency     /     S0/60Hz (-2.5 to + 2.5Hz)       tax. Output AC Current     /     IobA       tax. Active Power     /     IobA       ower Factor     /     -0.99% - +0.99%, At nominal Power       General Data     -0.99% - +0.99%, At nominal Power       Stem Parallel Units     8       operating Temperature Range     -20 to 50°C       operating Temperature Range     0 - 95% RH       obige     3000kg       timensions (W*H*D)     1730*2200*1170 mm       veight     3000kg       tooling Method     Aerosol Fire Suppression       tooling Method     Aerosol Fire Suppression       tax. Operating Altitude     \$2,000m	Nominal Input/Output AC Current	145A		
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Important     Important <t< td=""><td>AC Backup Rating</td><td></td><td></td></t<>	AC Backup Rating			
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-20 to 50°C     operating Temperature Range   -20 to 50°C     operating Humidity Range   0 - 95%RH     loise   < 75dB	General Data			
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Aax. Operating Altitude < 2,000m	Cooling Method	Air Cooling		
	Fire Protection Method	Aerosol Fire Suppression	1	
etworking Mode WIFI / LAN / 4G(Optional)	Max. Operating Altitude	≤ 2,000m		
	Networking Mode	WIFI / LAN / 4G(Optional	WIFI / LAN / 4G(Optional)	

Preliminary