

● YOUR
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BATTERY M48240-S

COMMERCIAL &
INDUSTRIAL SERIES

CAPACITY ►

11.5 kWh modular



Modular

Safe

Long lifespan

BATTERY M48240-S



Model	M48240-S
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	HIGEE
System Weight	105 kg
Dimension (W x D x H)	500 x 195 x 678 mm
IP Protection	IP20
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
Electrical	
Nominal Capacity	11.5 kWh
Usable Capacity	10.4 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48 V
Operating Voltage Range	45 ~ 54 V
Internal Resistance	≤10 mΩ
Cycle Life	≥ 6000
Operation	
Max. Charging Current	120 A (0.5C)
Max. Discharging Current	120 A (0.5C)
Operating Temperature Range	-10°C ~ 50°C*
Humidity	15% ~ 85%
BMS	
Modules Connection	6 ~ 16 in series
Capacity	69.1 / 80.6 / 92.2 / 103.7 / 115.2 / 126.7 / 138.2 / 149.8 / 161.3 / 172.8 / 184.3 kWh
Power consumption	<8 W (Work), <10 mW (Sleep)
Monitoring parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN and RS-485 compatible
BMU Model	HV900120 (TOP BMU required with more than one parallel cluster)
Certification	
Transportation	UN38.3
Safety	IEC 62619 (Cell), IEC 62619 (Pack)

*When the temperature is below 0°C or above 40°C, the performance will be limited



Headquarter: Alpha ESS Co., Ltd.
 ☎ +86 513 8060 6891
 ✉ info@alpha-ess.com
 🌐 www.alpha-ess.com
 📍 Jiuhua Road 888, Nantong High-Tech Industrial Development Zone, Nantong City, 226300

Alpha ESS Suzhou Co., Ltd.
 ☎ +86 512 6828 7609
 ✉ info@alpha-ess.com
 🌐 www.alpha-ess.com
 📍 Level 15, SIPC 158 Wangdun Road SIP Suzhou, 215028

Australia: Alpha ESS Australia Pty. Ltd.
 ☎ +61 402 500 520 (Sales)
 +61 1300 968 933 (Technical Support)
 ✉ australia@alpha-ess.com
 🌐 www.alpha-ess.com.au
 📍 Suite 1, Level 1, 530 Botany Road, Alexandria, NSW, 2015

Germany: Alpha ESS Europe GmbH
 ☎ +49 6103 4591 601
 ✉ europe@alpha-ess.de
 🌐 www.alpha-ess.de
 📍 Paul-Ehrlich-Straße 1a, D-63225 Langen, Hessen

Italy: Alpha ESS Italy S.r.l.
 ☎ +39 599 239 50
 ✉ info@alpha-ess.it
 🌐 www.alpha-ess.it
 📍 Via Loda, 17-41013 Castelfranco Emilia (MO)

Korea: Alpha ESS Korea Co., Ltd.
 ☎ +82 64 721 2004
 ✉ korea@alpha-ess.com
 📍 2F, 19-4, Nohyeong 11-gil, Jeju-si, Jeju-do, Republic of Korea

UK: Alpha ESS UK Ltd.
 ✉ uk@alpha-ess.com
 📍 Drake House, Long Street, Dursley, gl11 4hh