

Residential Battery

MANA 5.12-D / 10.24-D | Low Voltage



[MANA 5.12-D]

[MANA 10.24-D]



More Usable Energy

Deep cycle DOD control



Flexible Investment

Up to 15 units in parallel



Safe & Reliable

Premium Lithium Iron Phosphate (LFP)
4000 cycles



Easy Installation

Floor stand or wall mounted



Quick Commissioning

One button ON/OFF Automatic
ID assignment



Perfect Compatibility

Compatible with major PCS brands

Datasheet

CE UN38.3 UK IEC RoHS

| Model | MANA 5.12-D | MANA 10.24-D |
|-------|-------------|--------------|
|-------|-------------|--------------|

Performance

| | LFP (LiFePO ₄) | |
|---------------------------------------|-----------------------------|----------------|
| Cell technology | LFP (LiFePO ₄) | |
| Battery usable energy (1) | 5.12 kWh | 10.24 kWh |
| Nominal voltage | 51.2 V | 51.2 V |
| Operating voltage | 44.8 - 56.16 V | 44.8 - 56.16 V |
| Max. charge and discharge current (2) | 100 A | 200A |

Communication

| | |
|---------------|--|
| Display | SOC status indicator, LED indicator, LCD display |
| Communication | CAN / RS485 / RS232 / Wi-Fi |

General Specification

| | | |
|---------------------------|--|----------------------|
| Dimension (WxDxH) | 450x150x533 mm | 550x160x836 mm |
| | 17.7x5.9x21.0 inch | 21.7x6.3x32.9 inch |
| Weight | 46 kg (101.4 lbs) | 87.45 kg (192.7 lbs) |
| Installation | Floor stand or Wall mounted | |
| Operating temperature (3) | Charge: 0 to 50°C (32 to 122°F) Discharge: -15 to 50°C (5 to 122°F) | |
| Environmental humidity | ≤ 95%RH (No condensation) | |
| Ingress protection rating | IP 20 | |
| Cycle life (4) | 4000 Cycles or ten (10) years @ 80% DOD / 25°C / 0.5C, 70% EOL | |
| Scalability | Max 15 batteries in parallel | |
| Application | ON Grid / ON Grid + Backup / OFF grid | |
| Compatible inverters | Refer to compatible inverter list (Compatible with major PCS brands) | |

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] There is 0.5C or 1C configurations optional in factory default.

[3] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.