



RIM DRIVE TECHNOLOGY



English

Specification sheet 48V

Version 1.1



Lithium Battery 48V 3400Wh

Specification sheet

General

| | |
|-------------------------------|--------------------|
| EAN / Article Number | 8721082427227 |
| Nominal energy capacity | 3400 Wh |
| Nominal capacity | 66,5 Ah |
| Useable capacity | 65 Ah |
| Capacity @25A | 155 min |
| Nominal voltage | 51,2 V |
| Charging voltage | 56,8 V |
| Discharging voltage | 43,2 V |
| Continuous discharge rate | 100 A |
| Max quick charge | 60 A |
| Max peak discharge rate (2s) | 200 A |
| Max peak discharge rate (10s) | 150 A |
| Weight | 33 kg |
| Size (LxWxH) | 397 x 253 x 227 mm |
| Size (excluding feet) | 397 x 253 x 212 mm |
| Bluetooth | Yes, iOS / Android |
| Case material | 3.5 mm Aluminium |

Use information

| | |
|---|--------------|
| Ambient temperature discharging | -18 to 55 °C |
| Ambient temperature charging | 2 to 45 °C |
| Ambient temperature storage | -25 to 55 °C |
| Typical storage time at 50% SoC | 40 weeks |
| Max connections | Up to 1S8P |
| Protection class (excluding salt water) | IP67 |

Lifetime data

| | |
|------------------------------|--------------|
| Cycle lifetime * | 4000 cycles |
| Average annual capacity loss | ≈2% at 25 °C |
| Ideal storage temperature | -25 to 55 °C |

* with 80% discharge depth at 25°C to capacity loss of 20% at 0.5C

Battery composition

| | |
|--------------------------|---------------------|
| Cell type | Cylindrical |
| Chemistry | LiFePo ₄ |
| Capacity per cell | 6,05 Ah |
| Nominal voltage per cell | 3.2 V |
| Cell configuration | 16s11p |

Battery management & Safety

| | |
|---|---|
| On-off switch | Yes |
| Terminals | Flexconnect |
| Cell balancing, passive | Yes |
| High current & short circuit protection | Yes, up to 1500 A |
| Deep discharge protection | Yes |
| Protection against polarity reversal | Yes |
| Individual cell string voltage monitoring | Yes |
| Safety vent for each cell | Yes |
| Cell temperature monitoring | Yes |
| Temp. monitoring battery electronics | Yes |
| Shipping classification | UN3480 CLASS 9 CE |
| Certifications/compliance battery | UN38.3 RoHS |
| Certifications/compliance battery cells | UL CE IEC62133 IEC62619 EC61960 BIS PSE RoHS UN38.3 |



Lithium Battery 48V 6800Wh

Specification sheet

Version 1.1

General

| | |
|-------------------------------|--------------------|
| EAN / Article Number | 8721082427005 |
| Nominal energy capacity | 6800 Wh |
| Nominal capacity | 133 Ah |
| Useable capacity | 129 Ah |
| Capacity @25A | 310 min |
| Nominal voltage | 51,2 V |
| Charging voltage | 56,8 V |
| Discharging voltage | 43,2 V |
| Continuous discharge rate | 150 A |
| Max quick charge | 80 A |
| Max peak discharge rate (2s) | 300 A |
| Max peak discharge rate (10s) | 200 A |
| Weight | 61 kg |
| Size (LxWxH) | 695 x 253 x 227 mm |
| Size (excluding feet) | 695 x 253 x 212 mm |
| Bluetooth | Yes, iOS / Android |
| Case material | 3.5 mm Aluminium |

Use information

| | |
|---|--------------|
| Ambient temperature discharging | -18 to 55 °C |
| Ambient temperature charging | 2 to 45 °C |
| Ambient temperature storage | -25 to 55 °C |
| Typical storage time at 50% SoC | 40 weeks |
| Max connections | Up to 1S8P |
| Protection class (excluding salt water) | IP67 |

Lifetime data

| | |
|------------------------------|--------------|
| Cycle lifetime * | 4000 cycles |
| Average annual capacity loss | ≈2% at 25 °C |
| Ideal storage temperature | -25 to 55 °C |

* with 80% discharge depth at 25°C to capacity loss of 20% at 0.5C

Battery composition

| | |
|--------------------------|---------------------|
| Cell type | Cylindrical |
| Chemistry | LiFePo ₄ |
| Capacity per cell | 6,05 Ah |
| Nominal voltage per cell | 3.2 V |
| Cell configuration | 16s22p |

Battery management & Safety

| | |
|---|---|
| On-off switch | Yes |
| Terminals | Click |
| Cell balancing, passive | Yes |
| High current & short circuit protection | Yes, up to 1500 A |
| Deep discharge protection | Yes |
| Protection against polarity reversal | Yes |
| Individual cell string voltage monitoring | Yes |
| Safety vent for each cell | Yes |
| Cell temperature monitoring | Yes |
| Temp. monitoring battery electronics | Yes |
| Shipping classification | UN3480 CLASS 9 CE |
| Certifications/compliance battery | UN38.3 RoHS |
| Certifications/compliance battery cells | UL CE IEC62133 IEC62619 EC61960 BIS PSE RoHS UN38.3 |



Lithium Battery 48V 13600Wh

Specification sheet

Version 1.1

General

| | |
|-------------------------------|---------------------|
| EAN / Article Number | 8721082427012 |
| Nominal energy capacity | 13600 Wh |
| Nominal capacity | 266 Ah |
| Useable capacity | 258 Ah |
| Capacity @25A | 620 min |
| Nominal voltage | 51,2 V |
| Charging voltage | 56,8 V |
| Discharging voltage | 43,2 V |
| Continuous discharge rate | 150 A |
| Max quick charge | 130 A |
| Max peak discharge rate (2s) | 400 A |
| Max peak discharge rate (10s) | 300 A |
| Weight | 119 kg |
| Size (LxWxH) | 1295 x 253 x 227mm |
| Size (excluding feet) | 1295 x 253 x 212 mm |
| Bluetooth | Yes, iOS / Android |
| Case material | 3.5 mm Aluminium |

Use information

| | |
|---|--------------|
| Ambient temperature discharging | -18 to 55 °C |
| Ambient temperature charging | 2 to 45 °C |
| Ambient temperature storage | -25 to 55 °C |
| Typical storage time at 50% SoC | 40 weeks |
| Max connections | Up to 1S8P |
| Protection class (excluding salt water) | IP67 |

Lifetime data

| | |
|------------------------------|--------------|
| Cycle lifetime * | 4000 cycles |
| Average annual capacity loss | ≈2% at 25 °C |
| Ideal storage temperature | -25 to 55 °C |

* with 80% discharge depth at 25°C to capacity loss of 20% at 0.5C

Battery composition

| | |
|--------------------------|---------------------|
| Cell type | Cylindrical |
| Chemistry | LiFePo ₄ |
| Capacity per cell | 6,05 Ah |
| Nominal voltage per cell | 3.2 V |
| Cell configuration | 16s44p |

Battery management & Safety

| | |
|---|---|
| On-off switch | Yes |
| Terminals | Click |
| Cell balancing, passive | Yes |
| High current & short circuit protection | Yes, up to 1500 A |
| Deep discharge protection | Yes |
| Protection against polarity reversal | Yes |
| Individual cell string voltage monitoring | Yes |
| Safety vent for each cell | Yes |
| Cell temperature monitoring | Yes |
| Temp. monitoring battery electronics | Yes |
| Shipping classification | UN3480 CLASS 9 CE |
| Certifications/compliance battery | UN38.3 RoHS |
| Certifications/compliance battery cells | UL CE IEC62133 IEC62619 EC61960 BIS PSE RoHS UN38.3 |

RIM DRIVE TECHNOLOGY



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