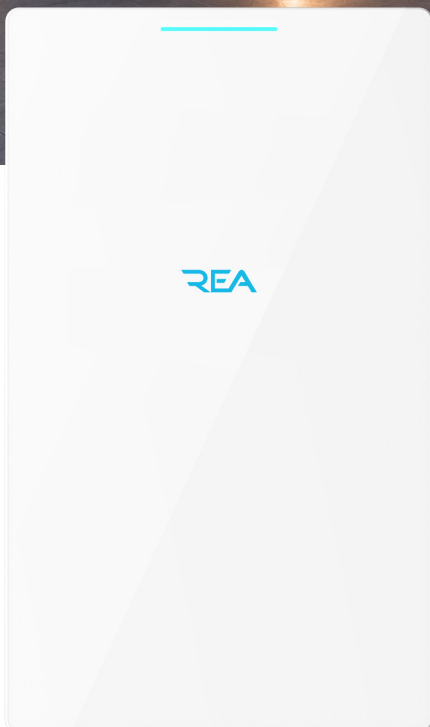




## Modular Battery

Engineered in Australia  
Designed in Germany

D A T A S H E E T

| ELECTRICAL PARAMETERS                       | UNIT              | POWERBANK X-1P                                                                                               | POWERBANK X-3P                                               |
|---------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Rated Output Apparent Power                 | kVA               | 4.5                                                                                                          |                                                              |
| Max. Output Power                           | kVA               | 5                                                                                                            |                                                              |
| Max. Continuous Input Power                 | kVA               | 3.75                                                                                                         |                                                              |
| Nominal Voltage                             | V <sub>a.c.</sub> | 1/N/PE ~ 230                                                                                                 | 3/N/PE ~ 230/400                                             |
| Operating Voltage Range (L to N)            | V <sub>a.c.</sub> | 176 - 276                                                                                                    |                                                              |
| Backfeed Short-circuit Current              | A                 | 27.27                                                                                                        | 9.09                                                         |
| Maximum Short-circuit Current               | A                 | 27.27                                                                                                        | 9.09                                                         |
| Nominal Frequency                           | Hz                | 50                                                                                                           |                                                              |
| Frequency Range                             | Hz                | 45-55 @50 Hz                                                                                                 |                                                              |
| Max. Input Current                          | A                 | 16.30 @ 230 V <sub>a.c.</sub>                                                                                | 16.30 @ 230 V <sub>a.c.</sub> , 5.41 @ 400 V <sub>a.c.</sub> |
| Max. Output Current                         | A                 | 21.74 @ 230 V <sub>a.c.</sub>                                                                                | 21.74 @ 230 V <sub>a.c.</sub> , 7.25 @ 400 V <sub>a.c.</sub> |
| Power Factor (Adjustable)                   |                   | 0.8 leading--0.8 lagging                                                                                     |                                                              |
| Max. Battery Continuous Charging Current    | A                 | 235 (DC)                                                                                                     |                                                              |
| Max. Battery Continuous Discharging Current | A                 | 270 (DC)                                                                                                     |                                                              |
| AC Round-trip Efficiency                    | %                 | 90*                                                                                                          |                                                              |
| THDi                                        | %                 | <3                                                                                                           |                                                              |
| BATTERY                                     |                   |                                                                                                              |                                                              |
| Total Energy Capacity                       | kWh               | 7.168                                                                                                        |                                                              |
| Rated Battery Energy                        | kWh               | 7                                                                                                            |                                                              |
| Usable Battery Capacity                     | kWh               | 7                                                                                                            |                                                              |
| Nominal Battery Capacity                    | Ah                | 280                                                                                                          |                                                              |
| Nominal DC Voltage                          | V                 | 25.6                                                                                                         |                                                              |
| Max. DC Voltage                             | V                 | 28.8                                                                                                         |                                                              |
| Chemistry                                   |                   | Lithium iron phosphate (LFP)                                                                                 |                                                              |
| Number of Cycles                            |                   | 10,000                                                                                                       |                                                              |
| Battery Depth of Discharge                  | %                 | 100**                                                                                                        |                                                              |
| DC Round-trip Efficiency                    | %                 | 96                                                                                                           |                                                              |
| MECHANICAL DATA                             |                   |                                                                                                              |                                                              |
| Dimensions (Without Bracket)                | mm                | 830 × 480 × 195 (H x W x D)                                                                                  |                                                              |
| Lifting Weight (Without Bracket)            | kg                | 73.5                                                                                                         |                                                              |
| Mounting                                    |                   | Floor or wall mount                                                                                          |                                                              |
| Ambient Operating Temperature Range         | °C                | -20 to 55                                                                                                    |                                                              |
| Optimum Operating Temperature Range         | °C                | 0 to 30                                                                                                      |                                                              |
| Storage Temperature                         | °C                | -20 to 55                                                                                                    |                                                              |
| Protection Class                            |                   | I                                                                                                            |                                                              |
| Ingress Rating                              |                   | IP66                                                                                                         |                                                              |
| Cooling                                     |                   | Intelligent air cooling                                                                                      |                                                              |
| Operating Humidity (RH)                     | %                 | 4 to 100, condensing                                                                                         |                                                              |
| Altitude                                    | m                 | Up to 3,000                                                                                                  |                                                              |
| Pollution Rating                            |                   | PD3                                                                                                          |                                                              |
| Operation Noise                             | dB                | < 35                                                                                                         |                                                              |
| PROTECTION                                  |                   |                                                                                                              |                                                              |
| AC Port Overvoltage Class                   |                   | III                                                                                                          |                                                              |
| AC Surge Protection                         |                   | TYPE II                                                                                                      |                                                              |
| Galvanic Isolation                          |                   | YES                                                                                                          |                                                              |
| Insulation Resistance Monitor               |                   | YES                                                                                                          |                                                              |
| Anti-islanding Protection                   |                   | Yes (frequency shift)                                                                                        |                                                              |
| FEATURES AND COMPLIANCE                     |                   |                                                                                                              |                                                              |
| Indicator                                   |                   | LEDs for SOC & Status                                                                                        |                                                              |
| Communication                               |                   | CAN                                                                                                          |                                                              |
| Backup                                      |                   | Supports POWERHUB-1P                                                                                         | Supports POWERHUB-3P                                         |
| Services***                                 |                   | Self-consumption, TOU, Grid ancillary services                                                               |                                                              |
| Cloud Service                               |                   | REA Cloud & REA APP                                                                                          |                                                              |
| Compliance                                  |                   | IEC 62619, ISO 13849, IEC 61000-6-1, IEC 61000-6-3, IEC 63056, IEC 62477-1, VDE- AR-E 2510-50, AS/NZS 4777.2 |                                                              |

\* Limited by the ambient temperature of the battery, the maximum operating ambient temperature is 55 °C for outdoor unconditioned with solar effects.

\*\* For usable battery capacity, our DoD is 100%, while for total energy capacity, it is 98%.

\*\*\* Work together with PowerHub Gateway.

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