

DATA SHEET

Emaldo® Power Pulse



PRODUCT TYPE
Complete system

PRODUCT LINE
Pulse

PRODUCT NAME
Emaldo® Power Pulse

SKU
EM-SYS-PP-WH-01

EAN
5711826605533



Passive income
Get automated monthly payouts directly to your bank account.



100% fully automated
All completely automated, without you having to lift a finger.



Support the green transition
Support the green transition into renewable energy.

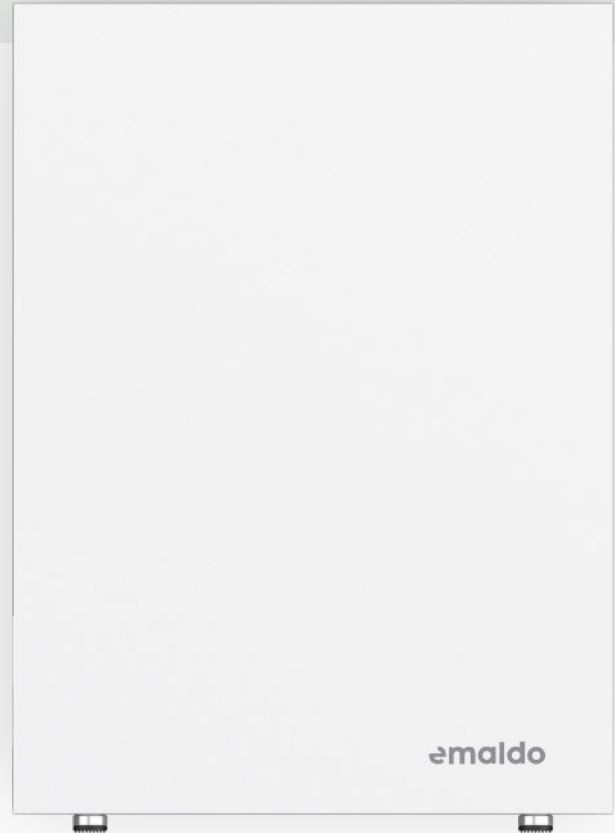


Install. Forget. Enjoy.
Invest in both the environment and yourself with passive income generation.

The Emaldo® Power Pulse enables you to earn a monthly passive income while supporting the transition into renewable energy. All 100% automated.

General

| | |
|-----------------------------------|--|
| Dimensions(W/H/D) | 700x980x328mm |
| Weight | Complete system: 140,0 kg |
| Battery slots | 1 |
| Topology | Transformerless |
| Cooling | Forced air |
| Noise | <50dB |
| Self-consumption | <150W |
| Heating film energy consumption | 200W |
| Altitude | 2000m (degraded 1% per 100m above 2000m) |
| Relative humidity | 0~95% |
| Inverter operation temperature | -20°C~60°C |
| Charging operation temperature | -20~55°C |
| Discharging operation temperature | -20~60°C |
| Storage temperature | 0~35°C |
| Display | LED+APP |
| Communication | RS485 (Electrical Meter) |
| 4G/WiFi/Bluetooth/LoRa | Yes / Yes / Yes / Yes |
| AI optimized | Yes, Energenie® AI inside |



Included

- 1 x Emaldo® Pulse Cabinet with slideON™ connectors and built-in cable management
- 1 x Emaldo® 10.8 kWh Hybrid Inverter
- 1 x Emaldo® 5.12 kWh Power Boxes
- 1 x Starter Kit (Installation)

AC output (off-grid)

| | |
|----------------------------|-----------------|
| Rated power | 10800VA(PF=1) |
| Rated output voltage | 400Vac(3W+N+PE) |
| Rated output frequency | 50/60Hz±0.5 |
| Rated current | 15.6A*3 |
| Max output current | 15.8A*3 |
| Max power output (startup) | 21600VA |
| Switch time | 10ms |
| Wave form | Pure sine wave |

AC output (on-grid)

| | |
|--------------------|-----------------|
| Rated power | 10800VA |
| Rated voltage | 400Vac(3W+N+PE) |
| Rated current | 15.6A*3 |
| Max output current | 15.8A*3 |
| Max power factor | >0.99 |
| Frequency range | 50/60Hz |
| Max efficiency | 97 % |
| Europe efficiency | 96 % |

Battery

| | |
|-------------------------|---------------|
| Battery type | LFP (LiFePO4) |
| Battery capacity | 5120Wh |
| Rated battery voltage | 51.2V |
| Working voltage range | 43.2V~57.6V |
| Max charging current | 100A |
| Max discharging current | 100A |
| Charging temperature | -20~55°C |
| Discharging temperature | -20~60°C |

Efficiency

| | |
|---------------------|--------|
| Max efficiency | 97.00% |
| European efficiency | 96.00% |

Protection

| | |
|--|-----|
| Battery under-voltage protection(settable) | Yes |
| Battery over-voltage protection(settable) | Yes |
| AC output under-voltage protection(184Vac) | Yes |
| AC output over-voltage protection(282Vac) | Yes |
| AC output over-temperature protection | Yes |
| AC output overload protection | Yes |
| Insulation impedance detection | Yes |
| Residual current detection | Yes |
| AC surge protection(three grade) | Yes |

Standard

| | |
|-----------|---|
| Safety | IEC62109-1:2010, IEC62109-2:2011 |
| EMC | IEC61851-21-2:20218, IEC61000-6-1, IEC61000-6-3 |
| Battery | IEC62619:2022, UN38.3, MSDS |
| Grid | TRLV/G98:2022/VDE 4105:2018/EIFS:2018/ EN50549..... |
| System | IEC61851-1:2017, IEC62955, IEC60529:2013, EN61984 |
| Emissions | RED 2014/53/EU |

Warranty

Battery

Operation of the product
Charging temperature -20°C ~ 50°C
Discharge temperature -20°C ~ 60°C

Storage
storage temperature: -10°C ~ 40°C (within one month) or 0°C ~ 35°C (within one year).
Recommended storage humidity: 0%~95%RH (non-condensing)

Product Warranty
Emaldo guarantees that the battery system will retain 70% of the usable energy for 5 years or 6000 cycles if installed and handled correctly as described in the user manual.

Inverter

Operation of the product -20°C ~ 60°C

Storage
storage temperature: -10°C ~ 40°C (within one month) or 0°C ~ 35°C (within one year).
Recommended storage humidity: 0%~95%RH (non-condensing)

Product Warranty
5-year Inverter Performance Guarantee: Emaldo guarantees that the inverter will work according to specification if handled according to user guidelines and standards

Cabinet

Operation of the product -20°C ~ 60°C

Storage
storage temperature: -10°C ~ 40°C (within one month) or 0°C ~ 35°C (within one year).
Recommended storage humidity: 0%~95%RH (non-condensing)

Product Warranty
5-year Hardware Guarantee: Emaldo guarantees that the hardware will work according to specification if handled according to user guidelines and standards

Terms

The product specifications provided herein are subject to change without notice, and while we endeavor to maintain accuracy, Emaldo cannot guarantee completeness, accuracy, or reliability. Performance metrics are based on typical scenarios and actual performance may vary. Compatibility with third-party products is not guaranteed. The limited warranty terms, proper installation by a qualified electrician, and adherence to safety practices are essential. Energy data accuracy is aimed for but not guaranteed. Technical support availability varies. Emaldo is not liable for any damages from product use. Specifications and features are subject to change. Usage implies agreement to these terms. For legal compliance, consult professionals.