

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.

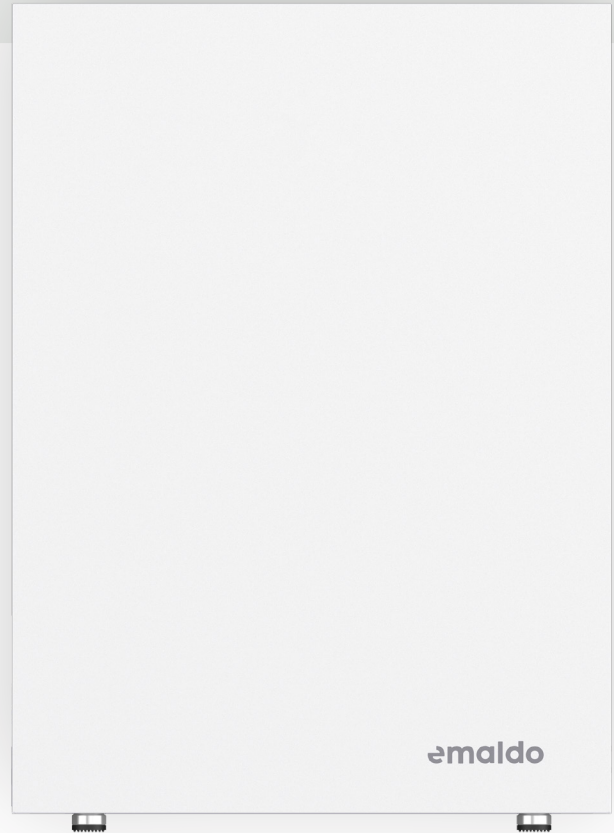


Install. Forget. Enjoy.
Invest in both the environment and yourself with passive income generation.

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.