

# Aristotle Lite

## C&I Hybrid Solution

Coming Soon

Max. Output	50kW
PV Input	100kW
Battery Energy	104kWh

\*UL 9540A, CEI 0-21 certified



### Plug & Play

- Pre-wired and pre-crimped design
- Fast setup with quick connectors



### Small Body, High Performance

- **314Ah**, high energy density, **11kWh** capacity increased.
- Intelligent liquid cooling, **40%** cycle life increased.



### One Unit Fits All Needs: Multi-application Ready

- Support PV DC coupling
- Diesel generator ready
- Backup power, 10ms seamless on/off-grid switching

#### Note

All products are intended for delivery within Europe. The information contained in this document is subject to change without notice and may be incomplete or outdated. MARS Renewable reserves the right to revise specifications and other details without prior notification. For the latest updates, please consult MARS Renewable directly.  
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### SYSTEM SPECIFICATION

Max. PV Input Power	100kW
Rated Battery Energy	104.49kWh
Max. Output Power	50kW
Max. Apparant Output Power (off-grid)	1.6 times of rated power, 2 s
Rated AC Voltage	3/N/PE, 230 V / 400 V
Rated Frequency	50 Hz/60Hz
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi (on-grid)	< 3%
THDv (off-grid)	< 2%

### PV SPECIFICATION

Max. Recommended PV Array Power	100kW
Max. PV Input Voltage	1000V
Nominal PV Input Voltage	600V
MPPT Voltage Range	150-850V
No. of MPP Trackers/Strings per MPPT	4/2

### BATTERY SPECIFICATION

Battery Type	LFP 314
Rated Battery Capacity	104.49kWh
Battery Configuration	1P52S*2
Battery Rated Voltage	332.8V
Battery Voltage Range	291.2 ~ 374.4V
Rated Charge/Discharge Current	135A/108A

### GENERAL PARAMETERS

Dimensions without Inverter (WxHxD)	1000*1800*1300mm
Dimensions with Inverter (WxHxD)	1310*1800*1300mm
Weight without Inverter	<1700kg
Weight with Inverter	<1800kg
Operating Ambient Temperature Range	-25°C~55°C
Relative Humidity	0 ~ 95% RH (non-condensing)
Max. Operating Altitude	3000m
PCS Max. Efficiency	97.8%
Anti-Corrosion Grade	Cabinet: C4; Inverter: C5
Protection Degree	Cabinet: IP55; Inverter: IP66
Fire Protection	Aerosol / Water optional
Certification	IEC62619, IEC62477, IEC63056, IEC61000, EN50549, UN38.3, UN3480, RoHS, UL 9540A, CEI 0-21