

The MOVA logo is displayed in a bold, white, sans-serif font in the upper left corner of the image. The background of the entire page is a photograph of a modern building at dusk. On the left, there is a rooftop solar panel array. In the center, a grey MOVA LumeGret A4000 inverter is mounted on a dark grey wall. The scene is lit with warm, ambient light from the building's interior and some outdoor lighting, creating a sophisticated and modern aesthetic.

MOVA LumeGret A4000

Technical Specifications

MPPT	Rated MPPT Power	2800 W
	PV Start-up Voltage	22 V
	Max Input Voltage	60 V
	Operating Voltage Range	16 – 60 V
	Maximum Short-circuit Current	25 A
	Maximum Continuous Current	18 A
	MPPT Number	4
AC Input (Grid-Tie)	Maximum Output Power	2500 VA
	Rated Output Power	2500 W
	Rated Output Current	11 A
AC Output (Grid-Tie)	Maximum Output Power	800 VA, 2500 VA
	Rated Output Power	800 W, 2500 W
	Rated Output Current	3.5 A, 11 A
	Rated Output Voltage	220 V / 230 V / 240 V
	Rated Output Frequency	50 / 60 Hz
	Output Current Harmonics	< 3 %

MOVA LumeGret A4000

Technical Specifications		
AC Output (Off-Grid)	Maximum Output Power	2500 VA (PV + batterie)
	Rated Output Power	2500 W
	Rated Voltage	220 V / 230 V / 240 V
	Rated Output Current	11 A
	Rated Output Frequency	50 / 60 Hz
	Switching Time	≤ 10 ms
Battery	Battery Type	LiFePO ₄
	Battery Capacity	4020 Wh
	Maximum Expansion Capacity	20100 Wh
	Rated Voltage	51.2 V
	Operating Voltage Range	43.2 – 57.6 V
	Rated Voltage Charging Power	2000 W
	Max. Charging Power	2000 W
	Cycle Life	10000-70% SOC
General Parameters	Self-heating	Support
	Size (W×H×D mm)	493 × 303 × 295
	Weight [kg]	48 kg
	Communication	Wi-Fi & Bluetooth + RS485
	IP Protection	IP65
	Cooling Method	Natural Cooling
	Operatin Temperature	-20 ~ 55 °C
	Relative Humidity	0–95% (non-condensing)
	Maximum Altitude	3000 m
	Protection Level	I
	Overvoltage Category	II (DC), III (AC)
	Warranty Period	10 Years
Optional Accessories	Lifespan	20 Years
	Smart Meter	3 CT / P1 Meter
	EV Charger	3600 W / 7000 W
	Smart Plug	Wi-Fi & Bluetooth

