

NEW

OPTIM US A100-HY-PLUS

M1D 50kW/108kWh 60kW/126kWh

- Hybrid Inverter Integrated
- Superior Safety
- Flexible Configuration
- Easy Set-up & Maintenance



50kW/108kWh



108~648kWh



50~300kW



0.5C



400Vac

60kW/126kWh



126~756kWh



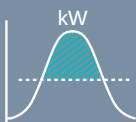
60~360kW



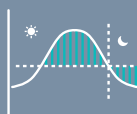
0.5C



400Vac



Peak Shaving



Energy Shifting



Self-Consumption



Backup
Switch Seamless

A100-HY-PLUS

General Data		M1D 50kW/108kWh	M1D 60kW/126kWh
Dimension (W*D*H mm)		1050*1300*2100	
Weight (Tons)		≤1.35	
Working Temperature Range (°C)		-25~50	
Protection Class		IP55	
Altitude(m)		≤3000	
Humidity		0~95%RH	
Fire Extinguishing		Aerosol	
Cooling System		Air Cooling	
Cooling System Consumption(kW, Cooling / Heating)		2	
Anti-Corrosion		C3H	
Certification*		IEC62619/IEC62477-1/IEC63056/VDE2510-50/ISO 13849-1/IEC 62040-1/CE-LVD/IEC 61000/IEC 62933/UL 9540A	
Battery Data			
Battery Type		Li-ion (LFP)	
Nominal Capacity (kWh)		108	126
Battery Module Qty.		6	
DC Voltage Range(V)		302.4 ~ 388.8	
Max. Operation Current (A)		160	
Cooling Type		Forced air cooling	
AC Side Parameters			
Rated AC Power (KW)		50	60
Rated AC Output Voltage(V)		380/400Vac,3W+N+PE	
Rated AC Output Frequency (Hz)		50/60	
Max. AC Output Current(A)		80	
Max. DC Input Current(A)		100*2	
Power Factor		-0.8~0.8	
Overload Capacity		110% @30s	
ON -Off Grid Switching		< 20ms	
MPPT Parameters			
Number of MPPT		4	
Max DC Input Power(kW)		100	
MPPT Voltage Range(V)		150~950	
MPPT Starting voltage(V)		125	
Max DC Input Current(A)/string		8*20	

*Partial application in progress