

OPTIM US A100-HY-M1D

M1D 50kW/108kWh



108kWh



50kW



0.5C



400Vac



Hybrid Inverter Integrated



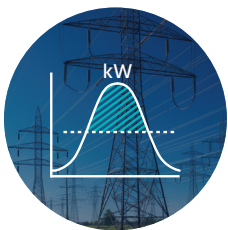
Superior Safety



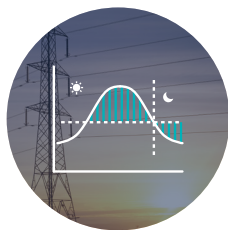
Flexible Configuration



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption



Backup

A100-HY-M1D

General Data		M1D 50kW/108kWh
Dimension(W*H*D mm)	1050(W)*2100(H)*1300(D)	
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 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	
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	
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	



Basic Parameters		HM1D200FA
Energy (kWh)	18.086	
Norminal Voltage (V)	57.6	
Battery Capacity (Ah)	314	
Dimension (W*D*H, mm)	895*420*225	
Weight (kg)	127	