

OPTIM US A329-BAT

M5-300kWh-1500V



1976~3948kWh



1000~2000kW



0.5C



1176~1491Vdc



Flexible Configuration



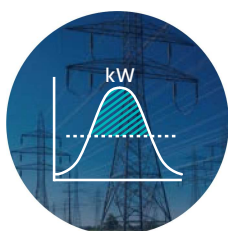
Superior Safety



Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption



Backup

A329-BAT

Gernerl Data		M5-300kWh-1500V
Dimension (W*D*H mm)	1500*1300*2200	
Weight (tons)	3.5	
Working Temperature Range (°C)	-40~55*	
Protection Class	IP 55	
Altitude (m)	≤4000	
Humidity (RH)	0~95%	
Fire Extinguishing	Aerosol	
Cooling System	Air Cooling	
Cooling System Consumption (kW, Cooling / Heating)	5/3.7	
Aux. Power Consumption (kW, continuous / peak, incl. HVAC)	2.35/4.26	
Max. Parallel No.	5	
Anti-Corrosion	C3 (C5 Optional)	
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A	
Battery Data		
Battery Type	Li-ion (LFP)	
Nominal Capacity (kWh)	329	
Depth of Discharge	98% (single string)	
Continuous Operation C-rate	0.5C	
Cycle Life	>7000	
DC Voltage Range (Vdc)	1176 ~ 1491 (single string)	
Round-trip Efficiency@ 0.5C-rate	96%	
Nominal operation current (A)	122.5	
Max. Operation Current (A)	180	
Operation Mode		
Communication Type	RS485(MODBUS RTU)/LAN(MODBUS TCP/IP)/CAN	
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Backup	

*Degradation at temperatures below 10°C or above 40°C