

OPTIM US A329-BAT

M5-300kWh-1500V



1976~3948kWh



1000~2000kW



0.5C



1176~1491Vdc



Flexible Configuration



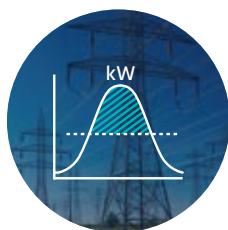
Superior Safety



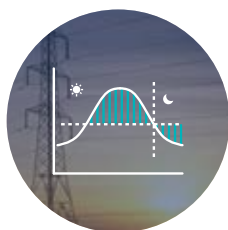
Long Time Backup



Easy Set-up & Maintenance



Peak Shaving



Energy Shifting



Self-Consumption



Backup

A329-BAT

General Data		M5-300kWh-1500V
Dimension (W*D*H mm,w/o inverter)		1500*1300*2200
Weight (tons)		3.5
Working Temperature Range (°C)		-40~55*
Protection Class		IP 55
Altitude (m)		≤4000
Humidity		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
Continuous Operation C-rate		0.5C
Max.Operation Current (A)		180
Depth of Discharge		98% (single string)
Cycle Life		>7000
DC Voltage Range (Vdc)		1176 ~ 1491 (single string)
Nominal operation current (A)		122.5
Round-trip Efficiency@ 0.5C-rate		96%
Operation Mode		
Communication Type	RS485 (MODBUS RTU)/LAN (MODBUS TCP/IP)/CAN	
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption/Backup	

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