

Energon AC300

AIO Industrial & Commercial ESS

Features



High energy, safe and scalable



Longer service life ensured by PACK-level liquid cooling technology



Multi-scenario applications



Best LFP battery unit



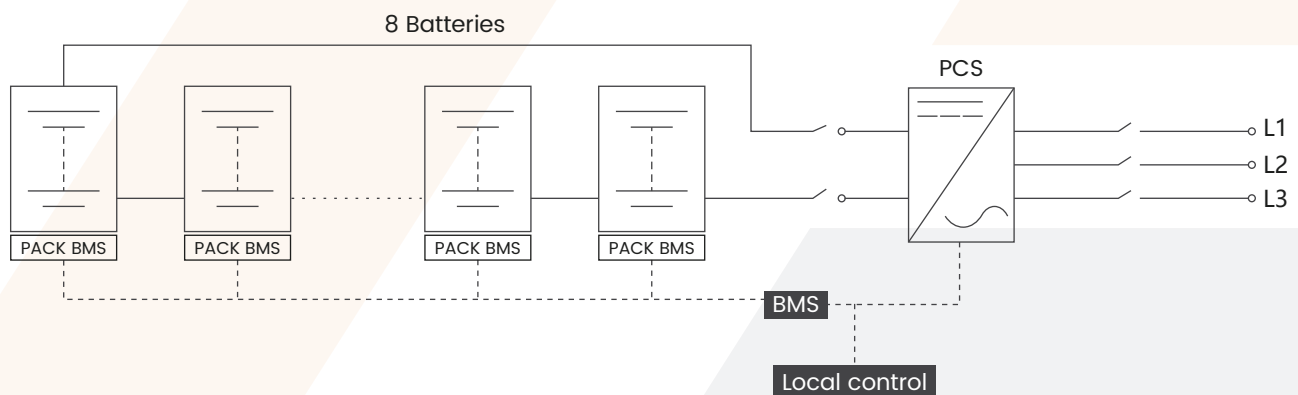
Intelligent fire fighting system



Flexible working conditions, easy to install and expand



BMS ensures safe and optimal operation of battery systems





Technical Parameters

Model	Energon AC300
Battery parameters	
Cell type	LFP
System configuration of cells	384S1P
Capacity of Battery units	344kWh
Voltage range of Battery units	960~1401.6Vdc
AC parameters	
Rated output power	200kW
THDi	< 3% (Rated power)
Direct component	< 0.5% (Rated power)
Rated AC voltage	690V
AC voltage range	552~793V
Rated AC frequency	50/60Hz
AC frequency range	47.5~52.5/57.5~62.5Hz
AC connection	3W+PE
System parameters	
Dimension (W*H*D)	1340mm*2350mm*1440mm
Weight	3200Kg
MAX efficiency	≥90%
Charge/Discharge rate	0.5C
DOD	90%
Cycle index	>6000 (100%DOD, 80%SOH)
Protection	IP54
Auxiliary power supply	Self-powered
Corrosion-proof grade	C4
Operation humidity range	5~95%, RH, without condensation
Operation temperature range	-25~+60°C
Operation altitude	2000m
Cooling	Liquid cooling
Fire extinguishing and security	Aerosol (Perfluorohexanone or Heptafluoropropane) , temperature sensors
Communication	RS485/CAN
Standards	IEC62619 IEC62477 UN38.3

*-- An external 200kVA transformer is needed if the grid voltage is NOT 690V.

If the product size and parameters change, the latest information shall prevail without prior notice.