

*Pictures may differ from real products

Onovo Kunstor Hybrid All-in-one Cabinet
125kW/261kWh Datasheet

Specification

Battery Parameters

Nominal Capacity	261kWh	**Corrosion Resistance Rating**	C5
Nominal Voltage	832Vdc	**Operating Temperature**	-20℃~55℃
Voltage Range	702~949Vdc	**Storage Temperature**	-30℃~60℃
Communication	CAN / RS485 / Ethernet, Modbus	**Operating Humidity**	5%~95%(non-condensing)
Cooling Method	Liquid Cooling	**Max. Operating Altitude**	≤3000m (>2000m derating above 2000 m)
Fire Suppression System (FSS)	CO/Smoke/Temperature detection; Aerosol in PACK and RACK; Dry Pipe, Deflagration vent (Optional)	**Noise Level**	< 65dB
		Dimensions (W×H×D)	1100*2250*1400mm
		Weight	~3T
Ingress Protection	IP55 for Outdoor Installation	**Certification**	IEC62619, IEC62477, IEC61000, UN38.3, MSDS

Hybrid Invert Parameters

PV Input		**Smart Port (GEN / Smart Load / PV Inverter)**	
Max. PV Input Power	250kW	**Rated Voltage**	
MPPT Voltage Range	150Vdc ~ 950Vdc	**Rated Output Power**	380/400V/415V @50/60Hz, 3P+N+PE
Number of MPPTs / Strings	10 / 20	**Max. Output Power**	125kW
Max. Input Current	42A * 10	**General**	137.5kVA
AC Grid		**Max. Efficiency**	
Rated Voltage	380/400V/415V @50/60Hz, 3P+N+PE	**Number of Parallel Connection**	97.8%
Rated Output Power	125kW	**Ingress Protection**	≤6
Max. Output Power	137.5kVA	**Protection Class**	IP66
THDi	2%	**Communication**	Class I
Power Factor	>0.99 (-0.8 ~ 0.8)	**Dimensions (W×H×D)**	Ethernet / WiFi or 4G (Optional) / RS485 / CAN
AC Backup		**Weight**	971.5 × 880 × 311mm
Rated Voltage	380/400V/415V @50/60Hz, 3P+N+PE	**Certification**	<150KG
Rated Output Power	125kW		IEC62477, IEC61000, IEC62109,
Overload Capacity	150%@10s		EN50549, VDE-4105, VDE-4110, G99/G100,
THDu	2%		PTPiREE, C10/C11, NTS631:2021, UNE,
Transfer Time	< 10ms		CEI 021/16, TOR Erzeuger

Features

Safety & Performance

- Inteligent liquid cooling ESS adopts 314Ah Grade-A LFP cell for >15 year service life.
- Multi-layer protection covering cells, packs and cabinets, built with alarms, explosion relief, smoke detection and smart BMS.

Integrated Design

- Integrated all-in-one design equiped with high performance hybrid inverter for Solar-Storage-Generator micro-grid.
- Easy for installation with floor space ~1.6m².

Smart Management

- Supports multiple energy modes like Self-consumption, Peak-shaving, Feed-in first, and Backup priority.
- Realtime monitoring and intelligent energy management from anywhere anywhen.

Multi-scenario Application

- Supports parallel connection up to 6 units for off-grid, and 24 units for on-grid.
- Supports BESS capacity expansion for 2hr and 4hr application secnarios.
- Adopts IP55 and C5 protection level suitable for various installation environment.