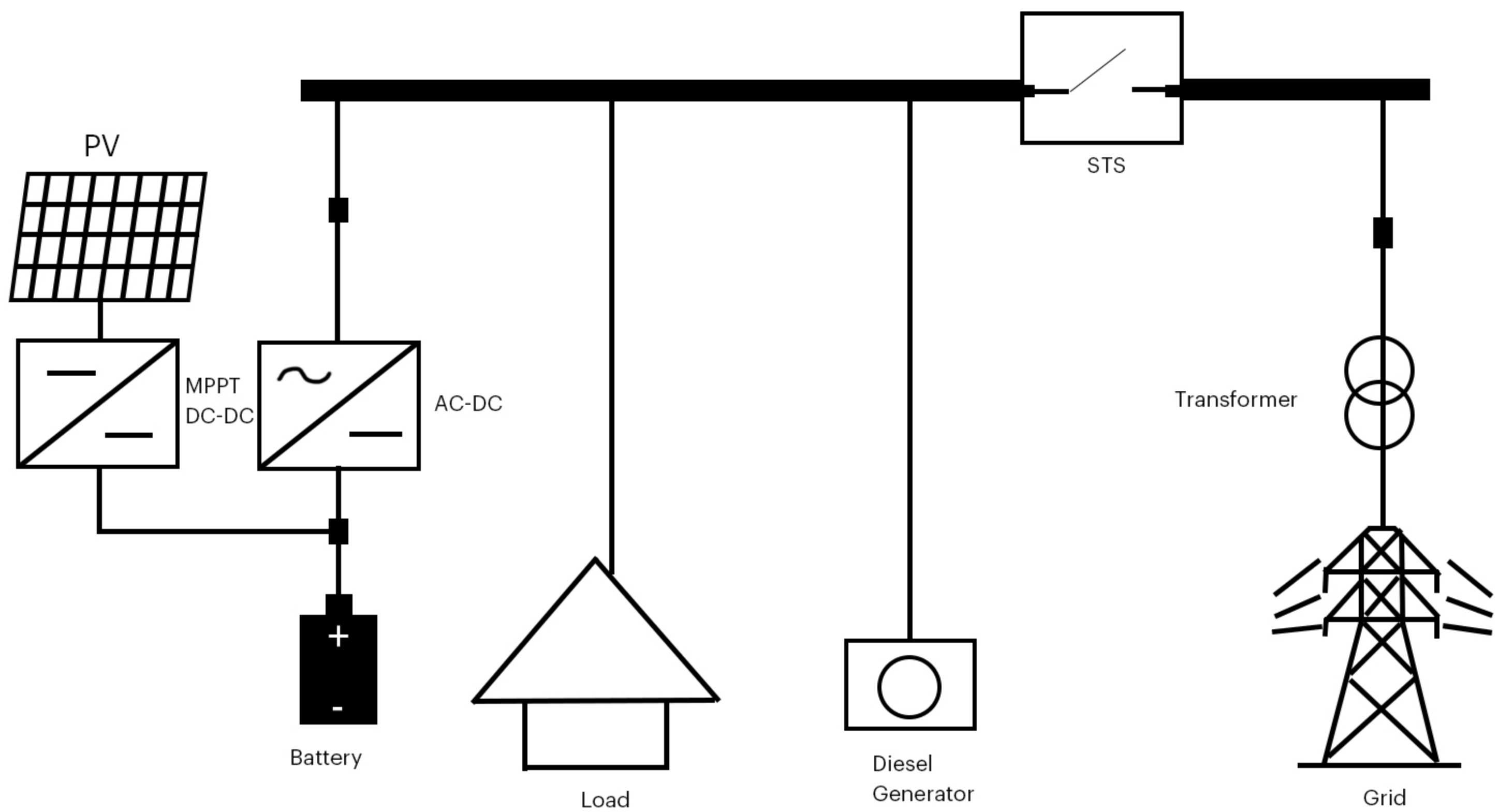
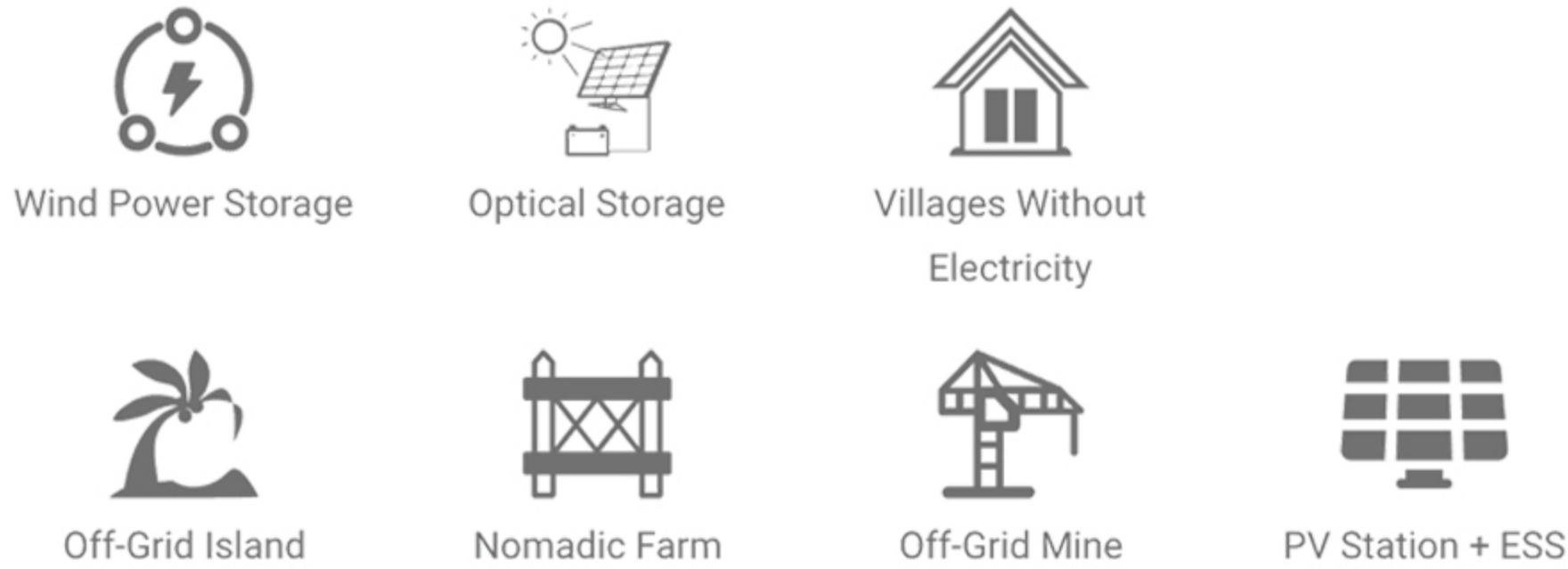


60KW-100kWh

Lithium battery for Industrial and commercial



» Applications



» Features

- With STS for <math><4ms</math> switch time
- Compatible with generators.
- On/Off grid mode operation
- Parallel operation with generators/grid

CONTACT US

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SPECIFICATIONS

MODEL	ESS-60-100
General Data	
Dimension(W*H*D)	1035x 2050x1280 mm
Weight	<1200 Kg
Working Temperature Range (°C)	-20-60
Protection Class	IP54
Altitude	2000
Humidity	0-95%
Fire Extinguishing	Aerogel
Air Conditioner	5KW for cooling / 3KW for heating
Anti-Corrosion	C3 (Optional upgrade to C5)
Authentication level	CE/UN38.3/MSDS
Battery Data	
Battery Type	Li-ion (LFP)
Nominal Capacity (kWh)	100.352KWh
Battery Item	Elfcube
Battery Module Qty.	51.2V 280Ah 14.336KWh 16S1P * 7 Battery Pack
DC Voltage Range(V)	313.6~408.8
Max. Operation Current (A)	140
Efficiency	95%
PCS DC/AC Data On-grid Mode	
Rated AC Power (KW)	60 (expandable to 7*60)
Rated AC Output Voltage(V)	400
Rated AC Output Frequency (Hz)	50/60
Max. AC Current(A)	90
Overload Capacity	110%@30S
AC PF	0.8 leading ~0.8 lagging
THDi	≤3%
Isolation Type	Non-isolation
Peak Efficiency	98.5%
Unbalanced capacity	100%
PCS DC/AC Data Off-grid Mode	
Output voltage accuracy	≤1%
Unbalanced capacity	100%
Voltage harmonic distortion	<2% @line load
Overload capacity	≤150%
PV DC/DC Data Parameter	
Rated Power(kW)	60 (expandable to 7*60)
PV Input Voltage(Vdc)	200 – 850
Max. current(A)	64
Max. Efficiency(%)	98.5%
Operation Mode	
On/off-grid Switch	STS module, switching time<20ms
	10 inch LCD Touch Panel
EMS	Self-Consumption; Micro-grid control; Demand response;
	Remote Control; Time of use;
Communication Type	Modbus TCP/IP