

BeBox Ultra10 312/436 LFP



FEATURES:

- Containerised outdoor mobile system including inverter, air conditioning and fire protection equipment
- Battery inverter and energy management system (EMS)
- Quick & easy installation
- Separate battery and inverter areas for efficient temperature management monitoring
- Cutting edge control and operator interface with 12" display
- High accessibility for user-friendly maintenance



Output Specifications

Nominal Output power (continuous)	kVA	312.5
Peak Output power (5s)	kW	344
Rated voltage (single phase)	V	230
Rated voltage (three phase)	V	400
Frequency	Hz	50
Phase (s)		3
Nominal energy capacity	kWh	436.1
Reference ambient temperature	°C	25



System data

System pass-through capacity	A	850
Operating temperature range	°C	-10.. +50
Degree of protection	IP	54
Noise pressure @1m (LpA)	dB(A)	<70



Inverter

Quantity	n.	5
Rated apparent power	kVA	62.5
Power factor / Range		1 / ±0.1 - ±0.8



Battery specifications

Battery modules quantity	n.	92
Battery (Type)		Li-Ion LFP
Module capacity	kWh	4.74
Battery rated Voltage	VDC	736
Depth of Discharge (DoD)	%	90
Battery design life	cycles	>5000
Usable energy @ DoD / AC side	kWh	372.9
Total batteries weight	kg	4416



Instruments, controls & connections

Inverter protection Short Circuit	✓
Inverter protection Overload	✓
Inverter protection Over Temperature	✓
Inverter protection Low Battery	✓
System status control panel	✓
Battery condition	✓
Battery main isolator	✓
Remote monitoring device	✓
Automatic generator auto-start signal	✓



Control Panel

DSE M812 PLC HMI:

- Cutting edge control and operator interface with 12" display
- Full power set up visualization from display
- Standard operational modes ISLAND, MICROGRID, GRID TIED
- Input power control enabling function
- Scheduler function included



CONTROL SECTION:

- Emergency push button (outside and to the right of the control section)
- Differential protection with internal switch
- Modular circuit breaker suitably rated with thermal and magnetic overloads for control, input and output power



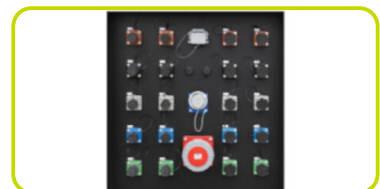
POWER SECTION

Input Power Connection

- 1x 400A POWERLOCKS 3P+N+T - INPUT 1 (GENSET)
- 1x 400A POWERLOCKS 3P+N+T - INPUT 2 (GRID)
- Auxiliary Input Power plug 16A CEE for Control/UPS

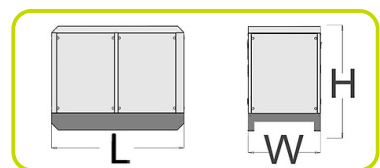
Output Power Connection

- 2x 400A POWERLOCKS 3P+N+T lines
- 1x 125A CEE 3P+N+T



Overall Dimensions

Length	(L) mm	2962
Width	(W) mm	2435
Height	(H) mm	2590
Weight	kg	10500



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