

Extra small range Energy Storage Systems

MEET REGULATIONS


- Reduced noise and no emissions working standalone and with renewable energy sources
- Two foldable solar panels to recharge
- Distribution box

PORTABLE SOLUTION

- Light and compact
- Less than 1m³ footprint
- Handle to pull
- IK09 certified: impact test resistance



Up to **5 UNITS**
PARALLEL
CAPABILITY

With trolley  handle for **EASE OF TRANSPORT**

EXCELLENT PERFORMANCE

- Paralleling capabilities up to 5 units
- IP65 classified: water and dust isolation
- Fire extinguishing system included



THE ERA OF CONNECTIVITY

- WIFI and APP connection
- Defined alarms
- System status capacity

Options

- + Heater for cold temperatures
- + Solar panels 200W or 400W

- + Socket configuration:
 - 2 x CE 230VAC
 - 2 x AUS 220VAC
 - 2 x UKCA 110VAC
 - USB

The lightest and most portable of our Energy Storage Systems

The lightest and most portable of our Energy Storage Systems, the ZBP 2000, is built for small events and small construction sites, and to power electric tools. Compact and lightweight, the unit has IK09 impact resistance classification and has an Ingress Protection rating of IP65, meaning it provides exceptional protection from dust and water in harsh environments.

With the option to parallel up to 5 units, the solution can be scaled up to 10kWh of modular energy storage, enhancing performance and reducing total cost of ownership. The ZBP 2000 also comes with two small foldable solar panels that could be used to recharge in great weather conditions or to maintain a proper battery level during less efficient production days.



		ZBP 2000	ZBP 15-60	ZBP 45-60	ZBP 45-75
General technical data					
Rated power	kVA	2	15	45	45
Rated energy storage capacity	kWh	2,16	58	58	77
Rated voltage (50Hz) (1)	VAC	230	230	400 / 230	400 / 230
Battery rated voltage	VDC	48	48	48	48
Rated current discharge	A	9	65	65	65
Operating temperature (2)	°C	-10 to 45	-10 to 50	-10 to 50	-10 to 50
Sound power level	dB(A)	<80	<80	<80	<80
Battery					
Quantity	units	1	12	12	16
Battery type		LiFePO4	LiFePO4	LiFePO4	LiFePO4
Rated voltage	VDC	48	48	48	48
Rated capacity (@25°C)	Ah	45	100	100	100
C-rate discharge		1	1	1	1
Recommended Depth of discharge (DoD%)	%	90	80	80	80
End of life (EOL%)	%	80	70	70	70
Expected cycle life (@DoD,EOL,25°C) (3)	Cycles	2000	6000	6000	6000
Battery balanced (recharge up to 100%)		Once per month	Once per month	Once per month	Once per month
Inverter					
Quantity	units	1	1	3	3
Maximum apparent power (for seconds) (4)	kVA	4	22,5	67,5	67,5
Maximum passthrough current	A	18	100	100	100
Built in transformer		No	Yes	Yes	Yes
Performance					
Discharge autonomy 100% / 75% rated power	h	0,9 / 1,3	4 / 5,3	1,3 / 1,8	1,8 / 2,4
Discharge autonomy 50% / 25% rated power	h	2 / 4	8 / 16	2,7 / 5,3	3,5 / 7,1
Recharging time (@DoD%)	h	3	7	2,3	3,1
Hybrid recommendation (generator size)	kVA	3,5	30	45-120	45-120
Power factor acceptance		-1 ... 1	-1 ... 1	-1 ... 1	-1 ... 1
Heating / Cooling system		Air cooled	Heaters* / Air cooled	Heaters* / Air cooled	Heaters* / Air cooled
Fire extinguisher system included		Yes	NA	NA	NA
Maximum auxiliary consumption	kW	0,03	5,3	5,4	5,5
Total energy through output up to (5)	MWh	4	200	200	250
Dimensions and weight					
Dimensions (L x W x H)	mm	570 x 367 x 478	1450 x 230 x 1865	1450 x 230 x 1865	1450 x 230 x 1865
Weight	kg	37	1285	1511	1618
Protection degree IP		65	55	55	55
Housing		Plastic	Metal canopy		

(1) Switchable 50/60Hz, Voltage range 380-415V (check with technical support) (2) Cold weather option advisable. (3) Lithium iron phosphate (4) Under specific conditions (check with technical support) (5) Paralleling capabilities available (check with technical support)

* Optional

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