

powerball®

energy storage systems

 *stay flexible*



FOR PRIVATE + COMMERCIAL USE



BASIC OR PROFESSIONAL

THE RIGHT MODEL FOR EVERY APPLICATION

All Powerball storage systems are available in 2 versions:

BASIC: The Basic series is equipped with all Powerball stay-flexible functions. However, it does without the extension option for emergency power and the stand-alone function. Just the right model for operators who have no requirement for these features.

PROFESSIONAL: The Professional models offer full functionality with all Powerball options, including preparation for an emergency power and stand-alone function. Exactly the right model for operators who want to protect themselves against power failures, or those who want to operate a reliable stand-alone network which is independent of the public power grid.

BASIC & PROFESSIONAL VERSIONS ARE AVAILABLE AS LITHIUM-ION OR LEAD MODELS

	Lithium-ion	Lead
Location	heated cellar/heated room	unheated cellar/garage/stable/workshop
Temperature range	+4° C to +30° C	-20° C to +55° C
Recycling	no established procedure	100 % recycling
Capacity extendable at any time	5 to 1000 kWh	3 to 1000 kWh

COMPARISON

FUNCTIONS: BASIC & PROFESSIONAL

Function	Basic	Professional
Solar power	X	X
Wind power	X	X
CHP plant	X	X
Emergency power function	-	(X)
Stand-alone operation	-	(X)
Heating element	X	X
Switching contacts	(X)	X
Heat pump control	(X)	X
Charging station	X*	X*
Generator operation	-	X
Extension kit	X	X
Subsequent expansion of capacity	X	X
Subsequent expansion of output	X	X
DC coupling - photovoltaics	(X)	(X)
TCPIP interface	(X)	(X)
Modbus	X	X
Balancing energy market	X	X
Easy install	X	X

Symbole: X standard, (X) option, X* in preparation, – not possible

POWERBALL POWER STORAGE – LITHIUM-ION OR LEAD

POWERBALL LITHIUM-ION STORAGE SYSTEMS

LITHIUM MODELS feature highly efficient lithium-ion batteries, and are durable and powerful. For maximum performance and high energy requirements, at site temperatures of +4° C to +30° C



Usable capacity	Discharging capacity max.	Charging capacity max.	Number of phases	Type
5.4	2	1,44	1	LIRO-2000-5
	2,25	1,7	3	LIRO-2250-5
	3,5	2,4	1	LIRO-3500-5
8	2	1,44	1	LIRO-2000-8
	2,25	1,7	3	LIRO-2250-8
	3,5	2,4	1	LIRO-3500-8
16	6	4,32	3	LIRO-6000-16
	10,5	7,2	3	LIRO-10500-16
24	6	4,32	3	LIRO-6000-24
	10,5	7,2	3	LIRO-10500-24
etc. up to 1000kWh				

Guarantee: 10 years time value replacement guarantee

Battery type: lithium-ion (maintenance-free)

Connection type: AC or DC

POWERBALL STORAGE SYSTEMS LEAD

LEAD MODELS: wide temperature range, value retention, fully recyclable, economical. Maximum flexibility in site selection, for ambient temperatures from -20° C to +55° C



Capacity	Discharging capacity max.	Charging capacity max.	Number of phases	Type
3	0,75	0,56	1	PBRO1-750-3
4	0,9	0,56	1	PBRO1-900-4
5	1,5	1,2	1	PBRO1-1500-5
	1,5	1,2	3	PBRO3-1500-5
11	2,25	1,7	3	PBRO3-2250-11
	3,5	2,4	1	PBRO1-3500-11
16	6	4	3	PBRO3-6000-16
24	10,5	7	3	PBRO3-10500-24
33	10,5	7	3	PBRO3-10500-33
66	21	14	3	PBRO3-21000-66
99	42	28	3	PBRO3-42000-99
etc. up to 1000kWh				

Guarantee: 4 years

Battery type: lead (maintenance-free)

Connection type: AC or DC