

TECHNICAL DATA

lead

Item number	PBRO1-750-3	PBRO1-900-4	PBRO1-1500-5	PBRO1-3500-11	PBRO3-1500-5	PBRO3-2250-11	PBRO3-6000-16	PBRO3-10500-24	PBRO3-10500-33	PBRO3-21000-66	PBRO3-31500-100	PBRO3-63000-200	PBRO3-125000-400
System	Single phase AC coupled				Three phase AC coupled		Three phase AC coupled				Three phase AC coupled		
Power	750 W	900 W	1,5 kW	3,5 kW	3 * 0,5 kW	3x 0,75 kW	3 * 2 kW	3 * 3,5 kW	3 * 3,5 kW	3 * 7 kW	3 * 10,5 kW	3 * 21 kW	3 * 42 kW
storage capacity)***	3 kWh	4 kWh	5 kWh	11 kWh	5 kWh	11 kWh	16 kWh	24 kWh	33 kWh	66 kWh	100 kWh	200 kWh	400 kWh
Nominal voltage of battery	48 V (dc)				48 V (dc)		48 V (dc)				48 V (dc)		
Max. power at 25°C	0,75 kVA	0,9 kVA	1,5 kVA	3,5 kVA	3 * 0,5 kVA	3 * 0,75 kVA	3 * 2 kVA	3 * 3,5 kVA	3 * 3,5 kVA	3 * 7 kVA	3 * 10,5 kVA	3 * 21 kVA	3 * 42 kVA
Max. power at 25°C, 30 min)**	1,2 kVA	1,4 kVA	2,6 kVA	4 kVA	3 * 1,2 kVA	3 * 1,2 kVA	3 * 2,6 kVA	3 * 4 kVA	3 * 4 kVA	3 * 8 kVA	3 * 12 kVA	on demand	on demand
Max. power at 25°C, 3s)**	2,8 kVA	2,8 kVA	6,5 kVA	10,5 kVA	3 * 2,8 kVA	3 * 2,8 kVA	3 * 6,5 kVA	3 * 10,5 kVA	3 * 10,5 kVA	3 * 21 kVA	3 * 31 kVA	on demand	on demand
Maximum load	until short circuit				until short circuit		until short circuit				until short circuit		
Asymmetric load max.	until continuous power				until continuous power		until continuous power				until continuous power		
Cos φ	0,1 - 1				0,1 - 1		0,1 - 1				0,1 - 1		
Efficiency electronics max.	96%				93%		96%				96%		
Own consumption Stand-By	5 W		7 W		15 W		21 W		42 W		126 W	252 W	504 W
Output voltage	real sinus 230 V (ac) (+/- 2 %)				real sinus 230 V (ac) (+/- 2 %)		real sinus 230 V (ac) (+/- 2 %)				real sinus 230 V (ac) (+/- 2 %)		
Output frequency	50 Hz +/- 0,05%				50 Hz +/- 0,05%		50 Hz +/- 0,05%				50 Hz +/- 0,05%		
Distortion factor	< 2%				< 2%		< 2%				< 2%		
Overload and short circuit protection	automatic stop				automatic stop		automatic stop				automatic stop		
Overtemperature protection	acoustic warning before stop				acoustic warning before stop		acoustic warning before stop				acoustic warning before stop		
Battery charger													
Charging characteristics)*	6 steps				6 steps		6 steps				6 steps		
Max. charge power	0,57 kW	0,57 kW	1,4 kW	2,4 kW	1,7 kW		4 kW	7 kW	7 kW	14 kW	20 kW	40 kW	80 kW
Temperature compensation	yes				yes		yes				yes		
Power factor correction (PFC)	EN 61000-3-2				EN 61000-3-2		EN 61000-3-2				EN 61000-3-2		
Battery													
Self discharging battery cell	< 3 % per month				< 3 % per month		< 3 % per month				< 3 % per month		
Technology	lead gel				lead gel		lead gel				lead gel		
General data													
Input voltage range	150 to 265 V (ac)				150 to 265 V (ac)		150 to 265 V (ac)				150 to 265 V (ac)		
Input current max. / system	16 A (ac)				16 A (ac)		3 * 50 A (ac)				2 * 3 * 50 A (ac)	3 * 3 * 50 A (ac)	4 * 3 * 50 A (ac)
Output current max. / system	20 A (ac)				20 A (ac)		3 * 56 A (ac)				2 * 3 * 56 A (ac)	3 * 3 * 56 A (ac)	4 * 3 * 56 A (ac)
Transfer time (UPS)	< 15 ms				< 15 ms		< 15 ms				< 15 ms		
Wight / system	320 kg		620 kg		320 kg	620 kg	960 kg				5580 kg	11160 kg	22320 kg
Number of individual components / unit	5				5		5				5		
max. Wight / individual components	70 kg				70 kg		70 kg				70 kg		
Dimension HxBxL [mm] / unit	900 x 590 x 595				900 x 590 x 595		900 x 590 x 595				900 x 590 x 595		
Number of units	1		2		1	2	3		6	12	18 / LC 8')3	36 / LC 20')3	72 / SC 40')4
Protection type	IP30												
CE conformity	CEM 2004/108/CE : EN61000-6-1; EN61000-6-3; EN55014; EN5522; EN61000-3-2;												
Operating temperature	-20 bis 55°C, Recommended room temperature												
Noise level	< 45 dB												

The regulations of the respective countries / network operators need to be considered!

valid from: 17.06.2019

Subject to change

)* in dependence of the control unit
)** by emergency / off-grid operation
)*** usable capacity