



Product Service

Attestation of Conformity

No. E8A 120704 0001 Rev. 00

Holder of Attestation: **Ensmart Power Ltd**

Unit 25 Broadfields Farm, Dunmow Road
Rayne, Essex, CM77 6SA
UNITED KINGDOM

Name of Object: **Energy Storage System**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: www.tuvsud.com/ps-cert

Test report no.: 6877222000202M

Date, 2023-04-12

(Laurent Yuan)

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Model(s):

Energy Storage System: PowerAll H3-5, PowerAll H3-10, PowerAll H3-15, PowerAll H3-20, PowerAll H3-25, PowerAll H5-5, PowerAll H5-10, PowerAll H5-15, PowerAll H5-20, PowerAll H5-25, PowerAll H6-10, PowerAll H6-15, PowerAll H6-20, PowerAll H6-25;

Hybrid Inverter: PowerAll3, PowerAll5, PowerAll6;

Battery Pack: PowerAll BP-5-F, PowerAll BP5, PowerAll BP-10.2-F, PowerAll BP-10.2, PowerAll BP-15.3-F, PowerAll BP-15.3, PowerAll BP-20.4-F, PowerAll BP-20.4, PowerAll BP-25.5-F, PowerAll BP-25.5

Description of Object:

Rated Input: See below table for details
Protection Class: I

Tested according to:

EN IEC 61000-6-1:2019
EN IEC 61000-6-3:2021
EN IEC 61000-6-2:2019
EN IEC 61000-6-4:2019
EN IEC 61000-3-11:2019
EN 61000-3-12:2011

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Energy Storage System					
Model	PowerAll H3-5	PowerAll H3-10	PowerAll H3-15	PowerAll H3-20	PowerAll H3-25
Rated Output Power	3680W				
Maximum AC Input Power	7360VA				
Maximum PV Input Power	4800W				
IP Protection	IP65				
Dimensions(W*D*H)	540mm x 240mm x 890mm	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	86kg	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C				
Storage Temperature	-20°C~+50°C				
Relative humidity	0% ~ 90%				
Max.Operating Altitude	≤ 2000m				
Hybrid Inverter					
Model	PowerAll3				
Max.PV input voltage	580Vdc				
Max.PV input current	15Ad.c.x2				
MPPT voltage range	80~560Vd.c.				
Nominal AC input current(on-grid)	32A				
Nominal AC output apparent power(on-grid)	3680W				
Nominal AC output power(back-up)	3680W/4000VA				
Nominal AC output current(back-up)	16A				
Battery Voltage Range	40-60Vdc				
Phase	Single				
Power Factor Range	0.8 leading ~ 0.8 lagging (0.95 leading ~ 0.95 lagging for Germany)				
Maximum Charge/Discharge Current	50Ad.c./80Ad.c.				
Maximum Charge/Discharge Power	3000W/4000W				
Grid terminal parameter					
Rated voltage	230Va.c.				
Rated frequency	50/60Hz				
Rated input Current	31Aa.c.				
Maximum continuous input current	32Aa.c.				
Maximum continuous input power	7360VA				

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Energy Storage System					
Model	PowerAll H5-5	PowerAll H5-10	PowerAll H5-15	PowerAll H5-20	PowerAll H5-25
Rated Output Power	5000W				
Maximum AC Input Power	7360VA				
Maximum PV Input Power	6500W				
IP Protection	IP65				
Dimensions(W*D*H)	540mm x 240mm x 890mm	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	86kg	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C				
Storage Temperature	-20°C~+50°C				
Relative humidity	0% ~ 90%				
Max.Operating Altitude	≤ 2000m				
Hybrid Inverter					
Model	PowerAll5				
Max.PV input voltage	580Vdc				
Max.PV input current	15Ad.c.×2				
MPPT voltage range	80~560Vd.c.				
Nominal AC input current(on-grid)	32A				
Nominal AC output apparent power(on-grid)	5000W				
Nominal AC output power(back-up)	4600W/5000VA				
Nominal AC output current(back-up)	20A				
Battery Voltage Range	40-60Vdc				
Phase	Single				
Power Factor Range	0.8 leading ~ 0.8 lagging (0.95 leading ~ 0.95 lagging for Germany)				
Maximum Charge/Discharge Current	100Ad.c./100Ad.c.				
Maximum Charge/Discharge Power	4600W/5000W				
Grid terminal parameter					
Rated voltage	230Va.c.				
Rated frequency	50/60Hz				
Rated input Current	31Aa.c.				
Maximum continuous input current	32Aa.c.				
Maximum continuous input power	7360VA				

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Energy Storage System				
Model	PowerAll H6-10	PowerAll H6-15	PowerAll H6-20	PowerAll H6-25
Rated Output Power	6000W			
Maximum AC Input Power	7360VA			
Maximum PV Input Power	7500W			
IP Protection	IP65			
Dimensions(W*D*H)	540mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm	1080mm x 240mm x 1600mm
Weight	140kg	194kg	248kg	322kg
Operating Temperature Range	-10°C~+50°C			
Storage Temperature	-20°C~+50°C			
Relative humidity	0% ~ 90%			
Max.Operating Altitude	≤ 2000m			
Hybrid Inverter				
Model	PowerAll6			
Max.PV input voltage	580Vdc			
Max.PV input current	15Ad.c.×2			
MPPT voltage range	80~560Vd.c			
Nominal AC input current(on-grid)	32A			
Nominal AC output apparent power(on-grid)	6000W			
Nominal AC output power(back-up)	4600W/5000VA			
Nominal AC output current(back-up)	20A			
Battery Voltage Range	40-60Vdc			
Phase	Single			
Power Factor Range	0.8 leading ~ 0.8 lagging (0.95 leading ~ 0.95 lagging for Germany)			
Maximum Charge/Discharge Current	100Ad.c./100Ad.c.			
Maximum Charge/Discharge Power	4600W/5000W			
Grid terminal parameter				
Rated voltage	230Va.c.			
Rated frequency	50/60Hz			
Rated input Current	31Aa.c.			
Maximum continuous input current	32Aa.c.			
Maximum continuous input power	7360VA			

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Battery Pack					
Model	PowerAll BP-5-F, PowerAll BP5	PowerAll BP-10.2-F, PowerAll BP-10.2	PowerAll BP-15.3-F, PowerAll BP-15.3	PowerAll BP-20.4-F, PowerAll BP-20.4	PowerAll BP-25.5-F, PowerAll BP-25.5
Battery type	LFP (LiFePO4)				
Voltage range	44.8~56.5 Vd.c.				
Rated voltage	51.2Vd.c.				
Energy capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Usable capacity	4.6kWh	9.2kWh	13.8kWh	18.4kWh	23kWh
Maximum charge/discharge current	50Ad.c.	100Ad.c.	100Ad.c.	100Ad.c.	100Ad.c.
Maximum charge power	2.825kW	5.65kW	5.65kW	5.65kW	5.65kW
Maximum discharge power	4.096kW	5.12kW	5.12kW	5.12kW	5.12kW
Protective class	Class I				
Ingress protection	IP65				
Altitude	≤ 2000m				

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