



Product Service

CERTIFICATE

No. B 119210 0002 Rev. 00

Holder of Certificate: **Senmarck Energy Ltd**
2F Building 5A, Tusincere Park, No. 333 Longfei Rd
Longgang District
518100 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Batteries**
(Rechargeable Li-ion Battery System)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290223158101

Valid until: 2027-03-17

Date, 2023-01-10

(Billy Qiu)

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Model(s):

**Guard Plus-PACK5.1,
Guard Plus-PACK10.2,
Guard Plus-PACK15.3,
Guard Plus-PACK20.4,
Guard Plus-PACK25.5**

Parameters:

Model	Guard Plus-PACK5.1	Guard Plus-PACK10.2	Guard Plus-PACK15.3	Guard Plus-PACK20.4	Guard Plus-PACK25.5
Battery type	LFP (LiFePO4)				
Voltage range	44.8~56.5 Vd.c.				
Rated voltage	51.2Vd.c.				
Energy capacity	5.12kWh	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh
Usable capacity	4.6kWh	9.2 kWh	13.8 kWh	18.4kWh	23kWh
Maximum charge/discharge current	50Ad.c./ 80Ad.c.	100Ad.c./ 100Ad.c	100Ad.c./ 100Ad.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	4.096k W	5.12kW	5.12kW	5.12kW	5.12kW
Operating temperature range	-10~+50°C(Charging), -10~+50°C(Discharging)				
Protective class	Class I				
Ingress protection	IP65				
Altitude	≤ 2000m				

Tested according to:

IEC 62040-1:2017
IEC 62619:2017
IEC 63056:2020