



Product Service

# CERTIFICATE

No. B 075386 0317 Rev. 00

**Holder of Certificate:** **Shenzhen Kstar New Energy Company Limited**

The 9th Floor, R&D Building  
Kstar Industrial Park, Guangming Hi-tech Industrial Zone  
518107 Shenzhen, Guangdong Province  
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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290253077801

**Valid until:** 2030-12-29

**Date,** 2025-12-30

( Billy Qiu )

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Model(s):

**BP48100P1A-G2, BP48100P1A-G2-2P,  
 BP48100P1A-G2-3P, BP48100P1A-G2-4P,  
 BP48100P1A-G2-5P, BP48100P1A-G2-6P,  
 BP48100P1A-G2-7P, BP48100P1A-G2-8P,  
 BP48100PF1A-G2, BP48100PF1A-G2-2P,  
 BP48100PF1A-G2-3P, BP48100PF1A-G2-4P,  
 BP48100PF1A-G2-5P, BP48100PF1A-G2-6P,  
 BP48100PF1A-G2-7P, BP48100PF1A-G2-8P**

## Parameters:

Model:	BP48100P1A-G2	BP48100P1A-G2-2P	BP48100P1A-G2-3P	BP48100P1A-G2-4P
Battery input/output terminal parameters				
Battery type	LiFePO4			
Rated capacity (Ah)	100	200	300	400
Rated energy capacity (kWh)	5.12	10.24	15.36	20.48
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	80	160	240	240
Max. discharging current (A d.c.)	80	160	240	240
Rated charging/discharging power (kW)	4.096	8.192	12.288	12.288
General				
Ambient charging temperature range (°C)	0 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			

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Battery input/output terminal parameters				
Battery type	LiFePO4			
Rated capacity (Ah)	500	600	700	800
Rated energy capacity (kWh)	25.6	30.72	35.84	40.96
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	240	240	240	240
Max. discharging current (A d.c.)	240	240	240	240
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Rated charging/discharging power (kW)	12.288	12.288	12.288	12.288
General				
Ambient charging temperature range (°C)	-10 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			

**Tested according to:** EN 62477-1:2012/A12:2021  
 IEC 62477-1:2012  
 IEC 62477-1:2012/AMD1:2016  
 EN IEC 62040-1:2019/A11:2021  
 IEC 62040-1:2017  
 IEC 62040-1:2017/AMD1:2021