



Date: 16/11/2025

Inverter Compatibility Statement

We, DTI Renewable Energy (Shanghai) Co., Ltd, as the manufacturer and certificate holder, hereby declare the compatibility of our battery models with the following inverters:

Battery Model Numbers:

MINT 4870-2S/MINT 4870-3S/MINT 4870-4S/MINT 4870-5S/ MINT 4870-6S/ MINT 4870-7S

Compatible Inverters:

Model: BW-SPB5K /BW-SPH5K

Manufacture: Suzhou Bytewatt Technology Co Ltd

Address: No.137, West ShiHu Road, Wuzhong District, Suzhou City

Jiangsu Province, 215000,P.R.China

Model	BW-SPB5K	BW-SPH5K
Battery Type	LFP(LiFePO4)	LFP(LiFePO4)
Battery VoltageRange	80-450 Vd.c	80-450 Vd.c
Max.Charge/Discharge Current	60/60 Ad.c	60/60 Ad.c
Rated Grid/Backup Voltage	LN/PE,220/230 Va.c	LN/PE,220/230 Va.c
Rated Grid/Backup Frequency	50/60 Hz	50/60 Hz
Rated Grid/Backup Apparent Power	5000 VA	5000 VA
Max.Grid/Backup Apparent Power	5000 VA	5000 VA
Rated Grid/Backup Output Current	21.7/21.7 Aa.c	21.7/21.7 Aa.c
Max.Grid/Backup Output Current	22.7/22.7 Aa.c	22.7/22.7 Aa.c
Max.Input Apparent Power From Grid	10000 VA	10000 VA
Max Input Current From Grid	43.4 Aa.c	43.4 Aa.c
Power Factor Range	0.8 cap-0.8 Ind	0.8 cap-0.8 Ind
Topology	Transformerless	Transformerless
Ingress Protection	IP65	IP65



Overvoltage Category	DC II/AC III	DC II/AC III
Safety Regulation	IEC/EN 62109-1&2, IEC/EN 62477-1:2012	IEC/EN 62109-1&2, IEC/EN 62477-1:2012

Battery Model Numbers: MINT 4870-4S/MINT 4870-5S/ MINT 4870-6S/ MINT 4870-7S

Compatible Inverters:

Model: SUN-10K-SG01HP3-AU-AM2/ SUN-12K-SG01HP3-AU-AM2/

SUN-15K-SG01HP3-AU-AM2/SUN-20K-SG01HP3-AU-AM2/SUN-25K-SG01HP3-AU-AM2

Manufacture: NINGBO DEYE INVERTER TECHNOLOGY CO., LTD.

Address: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Model	SUN-10K-SG01 HP3-AU-AM2	SUN-12K-SG01 HP3-AU-AM2	SUN-15K-SG01 HP3-AU-AM2	SUN-20K-SG01 HP3-AU-AM2	SUN-25K-SG01 HP3-AU-AM2
Battery Type	LFP(LiFePO4)				
Battery VoltageRange	160-700 Vd.c				
Max.Charge/Discharge Current	37/37 Ad.c				50/50 Ad.c
Rated Grid/Backup Voltage	230/400V 240/415V 0.85Un-1.1Un				
Rated Grid/Backup Frequency	50Hz/45Hz-55Hz				
Rated Grid/Backup Active Power	10000W	12000W	15000W	20000W	25000W
Max.Grid/Backup Apparent Power	10000 VA	12000 VA	15000 VA	20000 VA	25000 VA
Rated Grid/Backup Output Current	14.5/14.5 Aa.c	17.4/17.4 Aa.c	21.8/21.8 Aa.c	29/29Aa.c	36.3/36.3Aa.c
Max.Grid/Backup Output Current	14.5/14.5 Aa.c	17.4/17.4 Aa.c	21.8/21.8 Aa.c	29/29Aa.c	36.3/36.3Aa.c



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Max. Continuous AC Passthrough (grid to load)	40 Aa.c	80 Aa.c			
Power Factor Range	0.8 leading to 0.8 lagging	0.8 cap-0.8 Ind	0.8 cap-0.8 Ind	0.8 cap-0.8 Ind	0.8 cap-0.8 Ind
Topology	Transformerless				
Ingress Protection	IP65				
Overvoltage Category	DC II/AC III				
Safety Regulation	IEC/EN 62109-1, IEC/EN 62109-2				

This declaration affirms that the listed battery models are compatible with the specified inverters, ensuring optimal performance and safety.

Authorized Signature:

边绍辉

(Product Manager)



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