

## Approved Batteries with SH Series Hybrid Inverters

### EU Version V1.7.2

Hereby we make sure that the batteries listed in the following table are approved for the operation with the hybrid inverters SH3.0~6.0RS, SH5.0~10RT, SH3K6(phased out), SH4K6(phased out) of SUNGROW POWER SUPPLY CO., LTD. Please find the specific models in the following table, which are subject to change without notice.

#### SH3.0/3.6/4.0/5.0/6.0RS Hybrid Inverters for High Voltage Battery

Brand	Model	Firmware Version
	SBR096/128/160/192	≥SBRBCU-S_22011.01.05
	Battery-Box Premium HVS 5.1/7.7/10.2	Battery management system (BMS) version ≥ 3.16
	Battery-Box Premium HVM 8.3/11.0/13.8/16.6/19.3	Battery management unit (BMU) version ≥ 3.7

#### SH5.0~10RT Series Hybrid Inverters for High Voltage Battery

Brand	Model	Firmware Version
	SBR096/128/160/192/224/256 <sup>[1]</sup>	≥SBRBCU-S_22011.01.05
	RESU7H_Type_R (RS485 Communication) <sup>[2]</sup>	DC-DC converter version ≥4.8 Battery management system (BMS) version ≥1.7.0.1
	RESU10H_Type_R (RS485 Communication) <sup>[2]</sup>	
	Battery-Box HV 5.1/6.4/7.7/9.0/10.2/11.5 <sup>[2]</sup> HV 5.1/6.4/7.7/9.0/10.2/11.5(AU) <sup>[2]</sup>	≥ V3.013
	Battery-Box Premium HVS 5.1/7.7/10.2/12.8	Battery management system (BMS) version ≥ 3.16
	Battery-Box Premium HVM11.0/13.8/16.6/19.3/22.1	Battery management unit (BMU) version ≥ 3.7
	Powercube-X1/X2/H1/H2 <sup>[3]</sup>	≥ V4.6
	Force H1/H2 <sup>[3]</sup>	≥ V1.3

**Caution:** In Italy, only the SBR <sup>[1]</sup> battery is valid for SH5.0~10.0RT;  
And the Battery model with symbol <sup>[2]</sup> will be discontinued.

**Please note** that the operating voltage of PowerCube<sup>[3]</sup> and Force<sup>[3]</sup> Series must be within the Battery Voltage Range of Sungrow inverters:

For PowerCube X1&X2 series at least 4 units are recommended and for the H1&H2 series no more than 11units are recommended.

Force Series must be within the Battery Voltage Range of Sungrow inverters:

For Force H1 at least 4 units are recommended and for the H2 series 2 to 4 units are recommended.

**SH3K6/4K6(phased out) Hybrid Inverters for Low Voltage Battery**

Brand	Model
 LG Chem	RESU6.4EX
	RESU3.3/6.5/10/13
 PYLONTECH	US2000 B
	Phantom-S
 GCL	E-KwBe5.6
 SUNGROW	SBP4K8
 BYD	Battery-Box Res: Res2.5/5.0/7.5/10.0
	Battery-Box Pro: Pro2.5/5.0/7.5/10.0
	Battery-Box: L3.5/7.0/10.5/14.0
	Battery-Box Premium LVS: LVS4.0/8.0/12.0/16.0/20.0/24.0
	Battery-Box Premium LVL 15.4
 TAWAKI	MAUI Battery Pack 86 Ah

**Caution:** In Italy, only the LG/BYD/SBP4K8 battery are valid for SH3K6/4K6;

Sungrow may not provide technical support for installations where non-approved batteries are installed. We will keep updating this document, please contact Sungrow if there are any relevant issues.