

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.