



Sungrow Technical Notice

SH5K-30 Release and Comparison

To meet the growing demand for the residential solar market and provide better solar inverter solutions, Sungrow released its next generation SH5K-30 hybrid inverters. The new features of SH5K-30 inverters include easy installation (e.g. Built-in EPS (Emergency Power Supply) function and DC Switch Built-in (solar)) and optimised energy management system with Sungrow energy meters for net metering application.

To distinguish the NextGen SH5K-30 inverter from the current SH5K-20 inverter, please refer to Table 1.

Table 1 Hybrid Inverter Comparison

Inverter	SH5K-30	SH5K-20
Inverter Warranty Period*	10 Years Standard	5 Years Standard
Accessory Warranty Period*	1 Years Standard	2 Years Standard
DC Switch Built-in (solar)		NO
EPS Box Built-in		NO
* For full warranty Terms and Conditions, please visit service.sungrowpower.com.au		

Inverter	SH5K-30	SH5K-20
Emergency Power Supply (EPS)	✓ Built-in EPS Box (still 3 kW with battery only)	✓ External EPS Box (STB5K-20 or STB5K) (3 kW with battery only)
Switch time to emergency mode	< 20 ms	< 5 s
Export Limit	Yes , compatible with both 1-phase energy meter (S100) included and 3-phase energy meters (DTSU666) optional	Yes , compatible with both 1-phase energy meter (S100) included and 3-phase energy meters (DTSU666) optional
Monitoring	Only compatible with WiFi V31 modules	Only compatible with WiFi V24/V25 modules
Battery Compatibility *	Sungrow SBP4K8, LG Chem RESU (LV) and BYD (LV)	Sungrow SBP4K8, LG Chem RESU (LV), BYD (LV) Pylon, GCL and Lead acid batteries
AC Power Supply (night monitoring)	✓	NO
Retrofitting the existing PV system?	✓	✓
Forced charge from the grid?	✓	✓
Nominal AC output power in Australia	4.99 kW	4.99 kW

Please contact Sungrow service team on 1800 SUNGROW (786 476) or email us via service@sungrowpower.com.au if you have any enquiries about next generation SH5K-30 hybrid inverters.

Thank you for your continued support.

Sungrow Australia Group

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