



Sungrow Technical Notice

Crystal G2 Premium Inverters Release and Comparison



To meet the growing demand for the residential solar market and provide better solar inverter solutions, Sungrow released its Crystal G2 Premium residential grid connected inverters (SG2K-S (Premium), SG2K5-S (Premium), SG3K-S (Premium), SG3K-D (Premium), SG5K-D (Premium), SG8K-D (Premium)). The new features of Crystal G2 Premium inverters include easy installation (e.g. DC Switch Built-in (solar), Built-in AFCI (Arc-fault circuit interrupter) and AC power supply) and optional accessories with Sungrow energy meters for load consumption.

To distinguish the Crystal G2 Premium inverter from the current Crystal G2 inverter, please refer to Table 1.

Table 1 Hybrid Inverter Comparison

Inverter	SG2K-S (Premium), SG2K5-S (Premium), SG3K-S (Premium), SG3K-D (Premium), SG5K-D (Premium), SG8K-D (Premium)	SG2K-S, SG2K5-S, SG3K-S, SG3K-D, SG5K-D, SG8K-D
Package	Attached with 	N/A
Warranty Period*	10 Standard Years	5 Warranty Standard Years
Accessory Warranty Period*	1 Years Standard	2 Years Standard
DC Switch Built-in (solar)	Yes 	NO

* For full warranty Terms and Conditions, please visit service.sungrowpower.com.au

Inverter	SG2K-S (Premium), SG2K5-S (Premium), SG3K-S (Premium), SG3K-D (Premium), SG5K-D (Premium), SG8K-D (Premium)	SG2K-S, SG2K5-S, SG3K-S, SG3K-D, SG5K-D, SG8K-D
Max. MPPT current	<p style="text-align: center;">12.5A</p>  <p style="text-align: center;">Enable 12.5 Amps Tracking Current</p> <p style="text-align: center;">Completely compatible with bi-facial half-cut 370W 60cells panels, maximizing the power generation.</p>	10A
Built-in AFCI (Arc-fault circuit interrupter)	<p style="text-align: center;">✓</p>  <p style="text-align: center;">Integrated Quick Arc Fault Circuit Interrupter (QAFCI)</p> <p style="text-align: center;">Providing high sensitivity circuit to real-timely detect arc flashes and quick protection against fires.</p>	NO
DC SPD (Surge Protection Device)	Type 2	NO
Export Limit	Yes, compatible with both 1-phase energy meter (S100) and 3-phase energy meters (DTSU666) -> Optional	Yes, only compatible with 1-phase energy meter (S100) -> Optional
AC Power Supply (night monitoring)	✓	NO
Nominal AC output power in Australia	SG5K-D (Premium): 4.999 kW no update for other products	SG5K-D: 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 Crystal G2 Premium inverters.

Thank you for your continued support.

Sungrow Australia Group

04/2020