



# Model Numbers

## STRGT-IFS5500-48

### Inverter add-ons



#### Parallel connection kits

KMS-PARKITT-48

KMS-PARKIT-24

parallel kit is suitable for linking identical Strahl inverters in series or parallel.



#### Wi-Fi monitoring kit

IC-WIFI

Wi-Fi remote monitoring kit uses Wi-Fi connectivity to enable advanced remote monitoring of a Strahl hybrid inverter from any location in the world.



#### Wi-Fi mobile app module

IC-WIFI-2

Wi-Fi remote monitoring module uses Wi-Fi connectivity to enable advanced remote monitoring of an Strahl hybrid inverter from an Android or iOS mobile device.



#### RS-485 modbus card

IC-MODBUS

Modbus card enables communication between compatible Strahl inverters and the energy meter in a grid-tie system.

<b>Specifications</b>	
<b>MODEL</b>	<b>5.5KW</b>
<b>RATED POWER</b>	5500 W
<b>PV INPUT (DC)</b>	
Maximum DC Power	6500 W
Nominal DC Voltage	360 VDC
Maximum DC Voltage	500 VDC
Working DC Voltage Range	120 VDC ~ 500 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	120 VDC ~ 450 VDC
Full Load MPP Voltage Range	250 VDC ~ 450 VDC
Maximum Input Current	2*13 A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC
Output Voltage Range	184 - 265 VAC
Output Frequency Range	47.5 ~ 51.5 Hz or 59.3~60.5Hz
Max. Output Current	23.9 A
<b>AC INPUT</b>	
AC Start-up Voltage	120-140 VAC
Auto Restart Voltage	180 VAC
Acceptable Input Voltage Range	170 - 280 VAC
Nominal Frequency	50 Hz / 60 Hz
AC Input Power	5500VA/5500W
Maximum AC Input Current	40 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC Pure sine wave
Output Frequency	50 Hz / 60 Hz (auto sensing)
Output Power	5500VA/5500W
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER (Lead-acid/Li-ion)</b>	
DC Voltage Range	40 – 63 VDC
Nominal DC Voltage	48 VDC
Maximum Battery Discharging Current	150 A
Maximum Charging Current	60 A
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	110 X 450 X 445
Net Weight (kgs)	16
<b>INTERACE</b>	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus, AS-400
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10 to 40°C