



STRAHL
energy

Datasheet

Model Numbers

STR2-ZT500-48

STR2-ZT6000-48

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.

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs□
 - High PV input voltage range□
- Removable LCD control module with multiple communications□
 - Selectable high power charging current□
 - Built-in Wi-Fi for mobile monitoring (App is available)□
- Selectable input voltage range for home appliances and personal computers□
 - Configurable AC/Solar input priority via LCD setting□
- Reserved communication port for BMS (RS485 or CAN-BUS)□
 - Parallel operation up to 9 units

Model	STR2-ZT5000-48	STR2-ZT6000-48
Rated Power	5000W	6000W
Parallel	Yes, 9 Units	
Input		
Voltage	230V	
Selectable Voltage Range	110 - 280 VAC	
Frequency Range	50Hz / 60Hz (Auto detection) + 4HZ	
Output		
Ac Voltage Regulation	230Vac+5%	
Surge Power	10000VA	12000VA
Efficiency	93%	
Transfer Time	4ms	
Idle Power Consumption	<75W	
Battery		
Battery Voltage	40 - 62 VDC	
Low Dc Cut-off Voltage	45.0V	
Bulk Charging Voltage	56.4V - 58.4V	
Floating Charging Voltage	54 VDC	
Solar Charge & Ac Charger		
Solar Charger Type	MPPT	
Maximum Pv Array Power	6000W	6000W
Mppt Operation Voltage	120V - 430V	
Maximum Pv Array Open Circuit Voltage	500V	
Maximum Solar Charge Current	27A	
Maximum Ac Charge Current	100A	120A
Physical		
Size D x W x H (mm)	140 x 295 x 468	
Weight (kg)	12	
Communication	RS232 and Wi-Fi	
Operating Temperature Range °C	-10 to 50	