

# Solar Kits VFSK

## VaySonic Flexible Solar Kits



VaySonic launched VFSK (VaySonic Flexible Solar Kits) series Solar On-Grid Kits for residential PV systems. It is a “Plug-and-play design” composed of flexible solar panel + microinverter, which can be installed by yourself.

VFSK is even smaller in size and you can put it in the car for easier transportation.



**Power Cord**  
Plug and play cable

**PV Connect Cable**  
MC4 Extension Cable

**Accessories**  
Tie



# Residential On-Grid PV Kits

## VFSK SERIES

SYSTEM SIZE		
PRODUCT MODEL	VFSK-400W	
PV System Size Nominal (Wp)	400W	
PV MODULE SPECIFICATION		
Panel Model	VF100W(BK)	
Power (W)	100	
Vmp (V)	16.41	
Voc (V)	20.04	
Isc (A)	6.39	
Imp (A)	6.17	
Dimensions (L x W x H)(mm)	1000 × 630 × 3	
PV module weight (kg)	2.2	
Output cables	4mm <sup>2</sup> -50cm cables + mc4	
Operating Temperature	-40°C...+85°C	
MICROINVERTER SPECIFICATIONS		
Inverter Size (w)	400	
Max DC Power (W)	430	
Max DC Voltage (V)	63	
MPPT Voltage range (V)	14-63	
No.of MPPT'S	1	
Max AC Power (VA)	400	450
Max Output Current (A)	1.74	1.96
AC Nom.Voltage/Voltage Range (V)	230/180 ~ 275	
AC Grid Frequency range (Hz)	50/45 - 55	
Number of phases	1	
Dimensions (L x W x H)(mm)	181 × 203 × 31	
Inverter weight (kg)	1.75	
Compliance	IEC/EN 62109-1,IEC/EN 62109-2,IEC/EN 61000-6-1/-2/-3/-4,EN50549-1: 2019,VDE-AR-N 4105: 2018,CEIO-21	
* 12/240VUL inverters also available upon request		
SYSTEM LAYOUT		
# of Modules	4	
# of inverters	1	
# of inputs	1	
PV Layout options	Landscape or Portrait	
PV Array Surface Area (m <sup>2</sup> )	2.52	
PV Array Weight (kg)	8.8	
PRODUCTION ESTIMATES (KWh)		
*Projected yearly output at 1100GHI/year	822	925
*Projected yearly output at 1460GHI/year	1091	1228
*Projected yearly output at 1825GHI/year	1363	1535
*Based on 0.85% system derating(formula=DC Power x peak sunshine hour/year x derate factor)(GHI=Global horizontal irradiance)		
SYSTEM OPTIONS		
Communication	WIFI(WE-P1) / Sub-1G(BE-P1)	
Battery Bank	Optional	
Packing Configuration		
Weight (kg)	16.5	
Dimensions (L x W x H)(mm)	1040 × 670 × 100	
Container	20'GP	40'GP
Pieces/Pallet	1050 × 1100 + 1050 × 680	
Pallets per Container	20	60
Pieces per Container	270	660