Sankopower
an ISO Solar System Factory since 1996

Three Phase Solar Inverter

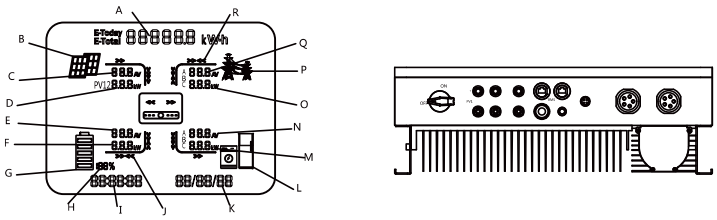
Three Phase Hybrid Solar Inverter

10KW Three Phase Hybrid Solar Inverter Series

Main Features

- Charge controller and inverter integrated
- Three phase loads unbalanced output
- Various working mode programmable
- IP65 rated for outdoor installation
- Built-in sound and light alarm function
- Remote monitoring, app and web available

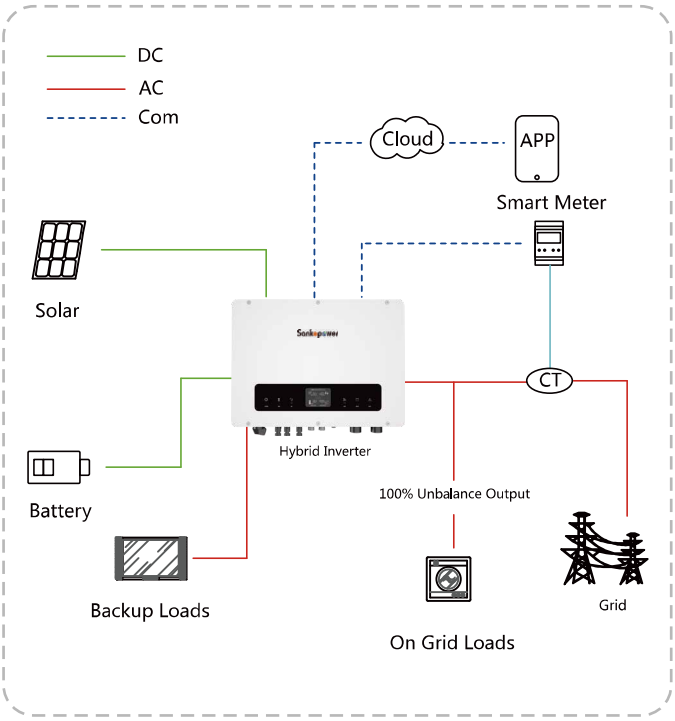
Back Panel Printing Description



NOTE: For parallel installation and operation, please check manual.

A. It indicates the power output amount of total and today alternately. Unit: kWh or MWh
B. PV panels indicator
C. PV1,PV2 panels parameters. Voltage and current are displayed alternately
D. Total PV power
E. Battery parameters. Voltage and curent are displayed alternately
F. Battery power
G. Battery indicator
H. SOC of battery
I. Current time
J. Power flow array of battery. When it towards battery, it means charging; when it towards inverter, it means discharging
K. Default as current date. When an error occurs, fault code will be displayed alternately
L. Loads indicator
M Loads power consumption of each phase
N. Load parameters. Voltage and current of each phase are displayed alternately
O. Power export or import of each phase
P. Grid indicator
Q. Grid parameters. Voltage and current of each phase are displayed alternately
R. Power flow array of load

Solar System Connection



WhatsApp: +86 134 3121 7430
Website: www.sankopower.com
Telephone: +86 0769 8282 6010
sales@sankopower.com

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Technical Parameter

MODEL	4KW	5KW	6KW	8KW	10KW	12KW
Input(DC)						
Max DC power	5500W	6500W	7500W	9500W	11500W	13200W
Max DC voltage	1000Vd.c.					
MPPT voltage range	200...850Vd.c.					
Max input current/per string	13Ax2					
Number of MPPT trackers	2					
Number of input string	2					
Battery Input						
Battery Type	Li-Lon					
Battery voltage range	180-700V					
Maximum charge/discharge current	25/25A					
Charge strategy for Li-Ion Battery	Self-adaptation to BMS					
Output(AC)						
AC nominal power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC apparent power	5000VA	5000VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60 Hz ; 400/350					
AC output range	45/55 Hz; 280~490 Vac (Adj)					
Power factor	0.8 leading ..0.8laging					
Harmonics factor	<3%					
Grid type	3W/N/PE					
Three-phase unbalance output	0 ~100%	0 ~100%	0 ~100%	0 ~100%	0 ~100%	0 ~80%
AC Output (Back-up)						
Max AC apparent power	4000VA	5000VA	6000VA	8000VA	10000VA	10000VA
Norminal Output Voltage	400/380 V					
Norminal Output Frequency	50/60 HZ					
Output THDV (@Liuear Load)	<3%					
Efficiency						
Maximum conversion efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
European efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Safety and protection						
DC reverse-polarity protection	yes					
DC breaker	yes					
DC/AC SPD	yes					
Leakage current protection	yes					
Insulation impedance detection	yes					
Residual Current protection	yes					
Output short circuit protection	yes					
Battery reverse connection protection	yes					
General Parameters						
Dimension (W/H/D)	548*444*184mm					
Weight	27 kg					
Operating temperature range	-25 °C ... +60 °C					
Degree of protection	IP65					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%, no condensation					
Communcation	GPRS/WIFI(Optional)					
BMS communication	CAN/RS485					
Meter communication	RS485					
Certification						
CQC,VDE-AR-N4105,VDE0126-1-1 ,AS4777,IEC61727,IEC62116						

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