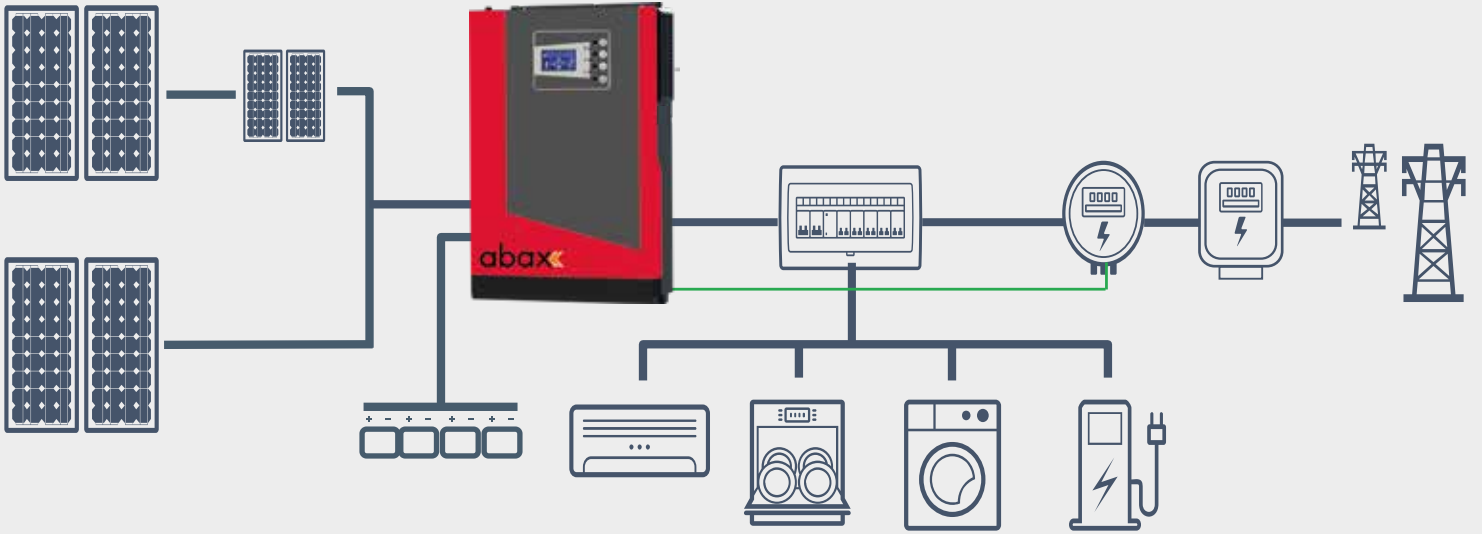


9 pieces of PARALLELIZABILITY

OPERATION WITHOUT POWER ON THE NETWORK

ON GRIDE-OFF GRIDE-HYBRID





ON GRIDE-OFF GRIDE-HYBRID
Solar Inverter with Full Sine Wave Output
Wide PV Voltage Operating range
Self Consumption and Parallel operation with Mains Feature
Programmable Source priority: Solar / Battery / Grid / Generator
Ability to set charging current with the initiative of the user
CAN PARALLY up to 9 Units
with user initiative Selecting the operating mode,
Working without a Battery
High Efficiency
Electronics High protection

MODEL	abax TRIGEN 5K
RATED OUPUT POWER	5000W
PV INPUT (DC)	
Max. PV Power	5000W
Max. PV Array Open Circuit Voltage	450V
MPPT Range @ Operating Voltage	120 VDC~430 VDC
Number of MPP Tracker	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Feed-in Grid Voltage Range	184~264 VAC ve 195.5~253 VAC
Feed-in Grid Frequency Range	21.7A
Nominal Output Current	184 ~ 264 VAC
Power Factor Range	>0.99
Maximum Conversion Efficiency (DC/AC)	95%
OFF-GRID, HYBRID OPERATION	
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Transfer Time	< 10ms (UPS)/< 20ms (for home appliances)/< 50ms (for parallel system operation)
Rating of AC Transfer Relay	
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Charging Current (from Grid)	80
Maximum Charging Current (from PV)	80
Maximum Charging Current	80A
GENERAL	
Dimension, D X W X H (mm)	120x295x468
Net Weight (kgs)	12
INTERFACE	
Parallelable	Var
Communication	USB or RS232/Dry-Contact
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C

Note: Depending on the needs, technical specifications can be updated.

