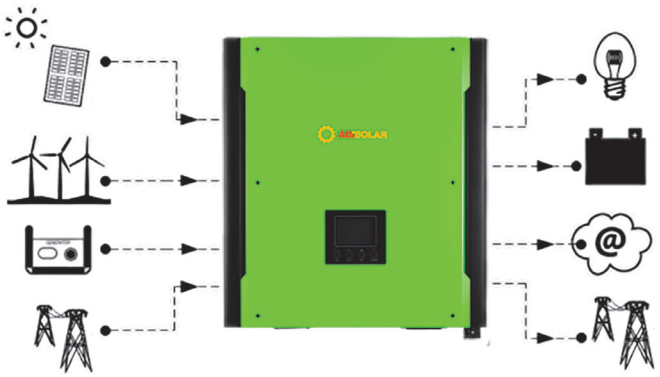
ABiSOLAR

Grid-tie inverters with energy storage

series HT

5 kW – 10 kW



FEATURES

- Simultaneous work in on/off-grid modes,
- Pure Sine Wave,
- Built-in protection against overloads and short circuits,
- Built-in MPPT conroller,
- Efficiency 96%,
- Monitoring and configuring from LCD display or PC via USB, RS-232, Modbus.

ABiSOLAR

HT series

ABi-Solar® HT series hybrid (on-grid with energy storage) photovoltaic inverters are capable to charge batteries and could be used in on-grid solar power plants that provide backup power.
HT inverters have built-in MPPT conroller that enables direct battery charging. The inverters can be connected to PC or automation systems via USB, RS-232 and Modbus communication ports.

MODEL		HT 5K	HT 10K3P
Number of phases		1	3
Rated power		5000 W	10000 W
ON-GRID MODE	Input (DC)		
	PV maximum power	10000 W	14850 W
	Rated / maximum voltage	500 V / 900 V	720 V / 900 V
	Start voltage	250 V	350 V
	Operating voltage range	250 В ~ 850 V	350 В ~ 850 V
	Quantity of MPPT × Maximum current	2 × 10 A	2 / 2 × 18,6 A
	Output AC		
	Rated voltage	220 V	400 V
	Operating voltage range	184 - 265 V per phase	
	Rated current	21,8 A	14,5 A per phase
	Maximum efficiency	96%	
OFF-GRID MODE	Input AC		
	Operating voltage range	170 - 280 V	
	Maximum current	40 A	
	Input DC		
	Maximum voltage	900 V	
	Operating voltage range	250 V ~ 850 V	350 V ~ 850 V
	Quantity of MPPT × Maximum current	2 × 10 A	2 / 2 × 18,6 A
	Battery mode		
	Rated voltage	230 V	400 V
	Sinewave	Pure	
	AC/DC convertion maximum efficiency	91%	
HYBRID MODE	Input DC		
	Rated / maximum voltage	500 V / 900 V	720 V / 900 V
	Start voltage	250 V	350 V
	Operating voltage range	250 В ~ 850 V	350 В ~ 850 V
	Quantity of MPPT × Maximum current	2 × 10 A	2 / 2 × 18,6 A
	Output AC		
	Rated voltage	230 V	400 V
	Operating voltage range	184 - 265 V per phase	
	Rated current	21,8 A	2/2 × 18,6 A
	Input AC		
	Rated voltage	230 V	400 V
	Operating voltage range	180 -280 V	184 -265 V
	Maximum current	40 A	14.5 A per phase
	Battery mode		
	Rated voltage (AC)	230 V	
	AC/DC convertion maximum efficiency	91%	
	Rated battery charge voltage	48 V	
	Maximum battery charge current	100 A	10-200 A
PHYSICAL PARAMETERS			
Dimensions (A×B×C)	600×460×204 mm	622×500×167 mm	622×500×167
Weight	15.5 kg	45 kg	45

Head office
18051 Biscayne Blvd, #1904,
Aventura, FL 33160, USA
+1 305 504 2302

Eastern Europe
ul. Józefa Ignacego Kraszewskiego
36/128, 30-110 Kraków
+48 012 307 25 43

CIS
9b, Simyi Sosninykh str., 03148,
Kyiv, Ukraine
+380 44 379 2889