

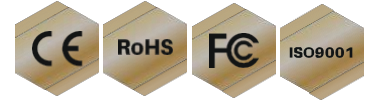
abax TRIGEN INVERTER

TRIGEN 5K-10K



Pure sinewave output

- Self-consumption and feed-in to the grid
- Programmable supply priority for PV/battery /grid
- Programmable multiple operation modes (on-grid and off-grid)
- User-adjustable battery charging current suits different types of batteries
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- Easy usage and communication
- Ability to be paralleled up to 6 pcs for Trigen 10K



Operating Values	TRIGEN 5K	TRIGEN 10K3P
Rated power	5500 W	10.000 W
Max PV Output power	6500 W	14.850 W
Max charge power	2880 W	9600 W
Output phaze	Monofaze	Trifaze
Parallel capability	NO	YES
On-Grid operating mode		
PV Input (DC)		
rated DC Voltage / Max DC Voltage	360 VDC / 500 VDC	720 VDC / 900 VDC
Start-up Voltage / Initial feeding voltage	116 VDC / 150 VDC	320 VDC / 350 VDC
MPP Voltage range/ Full Load MPP Voltage range	120 VDC ~ 450 VDC	350 VDC~850 VDC/400 V~800 VDC
Number of MPP trackers/ Max. input current	2 / 2 X 13	2 / 2 X 18,6A
Grid output (AC)		
Rated output voltage	230V AC	400V AC (phase to phase)
Çıkış Voltaj ralığı	184-265 VAC*	184-265 VAC* (phase to Neutral)
Max Output current	23,9 A*	14,5 A per phase
Max efficiecny		90 -93 %
Power factor		> 0,99
Efficiency		
Max Conversion efficiency(DC / AC)		96%
European efficiency @ Vnominal		95%
Working with Battery		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
High charge voltage protection	63 VDC	63 VDC
Off-grid mode (Battery mode)		
AC Input		
AC Voltage / Automatic restart	120 - 140 ACV /180 VAC	
Acceptable input voltage	170 VAC-280 VAC	170 VAC-280 VAC (for each phase)
Max AC Input Voltage	40 A	40 A
PV Input (DC)		
Max DC Voltage	500 VDC	900 VDC
MPP Voltage range/ Full Load MPP Voltage range	120 VDC ~ 450 VDC	350 VDC~850 VDC/400 V~800 VDC
Number of MPP trackers / Max. Input current	2 / 2 X 13	2 / 2 X 18,6A
Battery Mode Output (AC)		
Rated output voltage	230V AC	400V AC (phase to phase)
Output waveform	pure sinewave	pure sinewave
Max Efficiency	93%	91%
On-grid working mode with battery		
PV Input (DC)		
Rated DC Voltage / Max DC Voltage	360 VDC / 500 VDC	720 VDC / 900 VDC
Start-up voltage / Initial feedig voltage	116 VDC / 150 VDC	320 VDC / 350 VDC
MPP Voltage range	120 VDC ~ 450 VDC	400 VDC ~ 800 VDC
Number of MPP trackers and Max input current	2 / 2 X 13	2 / 2 X 18,6A
AC Input		
AC Start-up voltage / Auto restart voltage	120 - 140 ACV /180 VAC	
Acceptable input voltage range	170 VAC-280 VAC	170 VAC-280 VAC per phase
Max AC Input Current	40 A	40 A
Battery mode output (AC)		
Rated output voltage	230V AC	400V AC (Faz-Faz arası)
Output waveform	pure sinewave	pure sinewave
Max Efficiency	93%	91%
Battery& Charger		
Nominal DC Voltage	48 VDC	
Max. Charging Current	60 A	200 A
General		
Communication port	RS -232 / USB	RS -232 / USB
Protection rating	IP 30	IP 30
Dimensions	110 X 450 x 445	622 x 500 x 167,5
Weight	16kg	45 kg
Operating temperature	-10°C / +40 °C	-10°C / +55 °C
Humidity	%0 -%90 NC	
Certificates	VDE-AR-N 4105 /VDE 01261-1	

* this value may vary in the different countries and voltage code./product specifications are subject to change without further notice