

TRIEX 6kW

SINGLE PHASE HYBRID LV INVERTER

IP-66



KEY FEATURES



String current
up to 18A



125V start-up
voltage



Wide range of
MPPT voltage



Remote
diagnosis & update



<10ms
UPS-level
switching



24-hour
intelligent
energy
management



Easy setting
of smart
working modes



Smart load
dual output
interface

ANYTIME, ANYWHERE
**REMOTE
MONITORING**
PLATFORM



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TRIEX 6kW

SINGLE PHASE HYBRID LV INVERTERS

Input DC		
Max. input power		12000Wp
Max. input voltage		500V
Rated voltage		370V
Start-up voltage		125V
MPPT voltage range		125V/425V
Max. input current		18.0A/18.0A
Max. short circuit current		27.0A/27.0A
MPPT number		2
Max. input strings number		1/1
Input Battery		
Battery type		Lead-acid or Lithium-ion
Battery voltage range		40-60V
Number of battery input channels		1
Max. charge / discharge current		135/135A
Communication		CAN/RS485
Charging Strategy for Li-Ion Battery		Self-adaption to BMS
Output AC (Grid side)		
Rated output power		6000W
Max. apparent output power		6600kVA
Max. rated current (@230V)		26.0A
Max. output current		30.0A
Grid voltage range		154V-276V
Rated grid voltage		220/230V
Rated grid frequency		50/60Hz
Power Factor		~1 (-0.8...+0.8)
THDi		<3@Rated Power
AC Grid side (On-Grid)		
Rated input power		6kW
Max. apparent output power		6600kVA
Max input current		43.0A
Rated input voltage		220V/230V
Rated input frequency		50Hz/60Hz
Output AC (Back-up)		
Rated output power		6000VA
Max. output power		6600VA
Rated output current (@230V)		26.0A
Max. output current		30.0A
Back-up switch time		<10ms
Rated output voltage		L/N/PE, 220V/230V
Rated frequency		50/60Hz
Efficiency		
Max. efficiency		97.3%
EU efficiency		96.2%
BAT charged/discharged Max. efficiency		(PV->BAT)95% / (AC->BAT)94.5% / (BAT->AC)94.5%
MPPT. Efficiency		99.9%
Protection		
Integrated DC Switch		Yes
DC reverse-polarity protection		Yes
Anti-islanding protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
DC Surge protection		Yes (Type II)
AC Surge protection		Yes (Type II)
PV Insulation resistance detection		Yes
Ground fault monitoring / Earthing fault protection		Yes
Residual leakage current detection		Yes
Temperature protection		Yes
AC over voltage protection		Yes
DC over current protection		Yes
PV input overvoltage protection		Yes
Antibackflow		CT(standard),METER(optional)
24-hour load monitoring		Optional
DC arcing detection and protection (Integrated AFCI)		Optional
General Data		
Dimension (W*H*D)		228mm*470mm*340mm
Weight		19kg
Self consumption(night) (Rated voltage)		<35W
Operating temperature range		-20°C~+60°C
Cooling concept		Natural Convection
Ingress protection		IP66
Grid connection standard		IEC 61727,IEC 62116,IEC61683
Safety/EMC standard		IEC/EN 62109-1&2, IEC 61000-6-1, IEC 61000-6-3
Type of DC terminal		MC4 connector
Battery connection type		Terminal Block
Type of AC terminal (Back-up)		Terminal Block
Type of AC terminal (Grid side)		Terminal Block
Protection class		Class I
Storage temperature		-40°C~+70°C
Standard warranty		5 years
Display & Communication		
Display		LED, App, LCD
Communication interface		CAN / RS485 / WiFi

Product specifications are subject to change without further notice.