

TRIEX 6kW

SINGLE PHASE HYBRID LV INVERTER

IP-66



KEY FEATURES



String current
up to 20A



60V 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	12kW
Max.input voltage	550V
Rated voltage	370V
Start-up voltage	60V
MPPT voltage range	60A/450V
Max.input current	16A/16A
Max.short circuit current	20A/20A
MPPT number	2
Max.input strings number	2
Input Battery	
Battery type	Lead-acid or Lithium-ion
Battery voltage range	40-60V
Number of battery input channels	1
Max. charge / discharge current	190/190
Communication	CAN/RS485
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
Output AC (Grid side)	
Rated output power	6kW
Max. apparent output power	6.6kVA
Max. rated current	26.1A
Max. output current	28.7A
Grid voltage range	187-253V
Rated grid voltage	220/230V
Rated grid frequency	50/60Hz
Power Factor	0.8 Leading-0.8 Lagging
THDi	<3%
Input AC (Grid side)	
Rated input power	6kW
Max. apparent output power	6.6kVA
Max input current	40A
Rated input voltage	220V/230V
Rated input frequency	50Hz/60Hz
Output AC (Back-up)	
Rated output power	6kW
Max.output power	2 time of rated power,10s
Max.output current	28.7A
Back-up switch time	<4ms
Rated output voltage	220V/230V
Rated frequency	50/60Hz
THDv	<3%
Efficiency	
Max. efficiency	97.70%
EU efficiency	96.7%
BAT charged/discharge Max. efficiency	95.3% / 93.9%
MPPT.Efficiency	99.80%
Protection	
Integrated Dc Switch	Yes
DC rever-polarity protection	Yes
Anti-islanding protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
DC Surge protection	Type II
AC Surge protection	Type II
Insulation impedance detection	Yes
Ground fault monitoring	Yes
Residual leakage current detection	Yes
Temperature protection	Yes
Battery reverse protection	No
AC over voltage protection	Yes
DC over current protection	Yes
Antibackflow	CT(standard),METER(optional)
24-hour load monitoring	Optional
Integrated AFCI (DC arc-fault circuit protection)	Yes
General Data	
Dimension (W*H*D)	350*560*225mm
Weight	26kg
Self consumption(night) (Rated voltage)	<20W
Operating temperature range	-40 To +60℃
Cooling concept	Smart Fan Cooling
Max. operation altitude	4000m (Derating above 3000m)
Relative humidity	0~100%
Ingress protection	IP 66
Topology structure	Transformerless
Grid connection standard	IEC 61727,IEC 62116,IEC61683
Safety/EMC standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
Type of DC terminal	MC4 connector
Battery connection type	Terminal
Type of AC terminal (Back-up)	Terminal
Type of AC terminal (Grid side)	Terminal
Display & Communication	
Display	LED+Bluetooth+App (Optional:LCD)
Communication interface	RS485 / CAN / Wi-Fi (Optional) / GPRS (Optional) / LAN (Optional)

Product specifications are subject to change without further notice.