

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

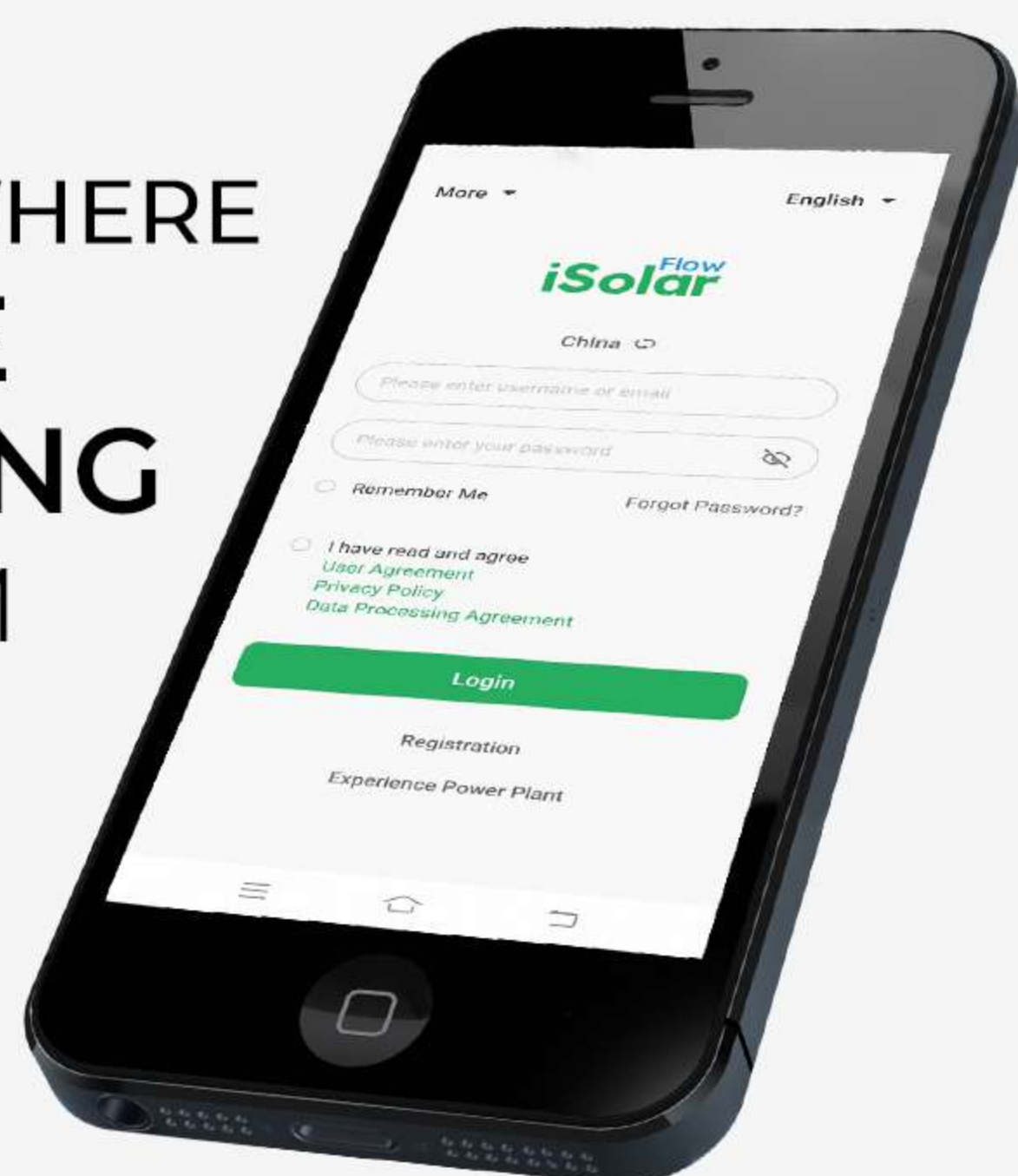


Easy setting
of smart
working modes



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	135/135Ad.c.
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)	26.0Aa.c
Max. output current	30.0Aa.c
Grid voltage range	154V-276V
Rated grid voltage	220/230V
Rated grid frequency	50/60Hz
Power Factor	~1 (-0.8...1...+0.8)
THDi	<3@Rated Power
AC Grid side (On-Grid)	
Rated input power	6kW
Max. apparent output power	6600kVA
Max input current	43.0Aa.c.
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)	26.0Aa.c.
Max. output current	30.0Aa.c.
Back-up switch time	<10ms
Rated output voltage	L/N/PE, 220V/230Va.c.
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.