

TX-10KW-PV20K

SINGLE PHASE HYBRID LV INVERTER

 **IP66**



KEY FEATURES



String current
up to 20A



62V 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



IP66
protection
rating

ANYTIME, ANYWHERE
**REMOTE
MONITORING**
PLATFORM



* Product appearance may vary



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TRIEX 10kW

SINGLE PHASE HYBRID LV INVERTERS

Models	TX-10KW-PV20K
PV input data	
Max. PV capacity (W)	20000
Max. PV input voltage (V)	600
Rated voltage (V)	360
Start voltage (V)	62
MPPT voltage range (V)	65-550
Max. PV input current (A)	40/20
Max. short-circuit current per MPPT (A)	50/30
MPPT number	2
NO. of PV strings per MPPT	2/1
Battery input data	
Battery type	Li-ion/Lead-acid
Battery voltage range (V)	40~60
Max. charging current (A)	200
Max. discharging current (A)	200
AC output/input Data (grid side)	
Rated output power (W)	10000
Max output power (VA)	11000
Rated output current (A)	45.5/43.5
Max output current (A)	50
Max. input power (W)	15000
Max. input current (A)	68.2
Operation phase	L+N+PE
Rated output voltage (V)	220/230
Rated frequency (Hz)	50/60
THDi	<3%
Power factor	1 (0.8leading~0.8lagging)
AC output (backup)	
Rated output power (W)	10000
Peak power (VA,s)	20000, 10
Rated output current (A)	45.5/43.5
Rated output voltage (V)	220/230
Rated frequency (Hz)	50/60
Switch time (ms)	<10
Generator data	
Rated input power (W)	10000
Max. apparent input power (VA)	12000
Max. input current (A)	54.5
Rated input voltage (V)	220/230
Rated frequency (Hz)	50/60
Efficiency	
Max. efficiency	97.60%
EU efficiency	97.00%
Protection	
DC switch	Yes
DC reverse-polarity connection protection	Yes
Thermal protection	Yes
AC overvoltage/current protection	Yes
AC short circuit protection	Yes
Ground fault circuit interrupter	Yes
Power network monitoring	Yes
Island protection	Yes
Ground fault monitoring	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
PID recovery	Optional
Arc fault circuit interrupter	Optional
Surge protection	AC Typell/DC Typell
General	
Dimensions (W*H*D mm)	426*630*241
Weight (kg)	31
Noise (dB)	<45
Operating temperature (℃)	-25~60 (>45℃ derating)
Type of cooling	Smart air cooling
Topology	Transformless
Communication	RS485/CAN
Permissible altitude (m)	3000 (>2000m derating)
Permissible ambient humidity	0~100%
Ingress protection (IP) grade	IP66
Warranty	5/10 years; (More info refers to the warranty policy)
Display	LCD+LED
Grid regulation	IEC61727, IEC62116 (Additional certifications in progress. See website for updates.)
Safety EMC/Standard	IEC EN 61000-6-3; IEC62920; IEC62109-1/2

Product specifications are subject to change without further notice.