HYBRID INVERTER TRIP 20K



- Three phase solutions
- 150% unbalanced output, Max.10kW per phase
- 20kW UPS output
- Supports 1.5 DC/AC ratio
- Supports up to 10pcs in parallel for on/off grid
- Battery working range: 100-700V
- Separate GEN port
- Smart load prioritize necessities
- Up to 21.6kW Gen/AC couping input

INPUT (PV DC)	TriP 20K
Max. PV array power (W)	30000
Reted PV input voltage (V)	650
Number of independent MPPT inputs	3
Max. PV input voltage (V)	1000
MPPT voltage range (V)	200~900
Start-up voltage (V)	160
Max. PV input current per MPPT (A)	40/40/40
Max. PV short-circuit current input per MPPT	50/50/50(A:2/B:2/C:2)
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage (V)	400
Battery voltage range (V)	100~700
Max. charging voltage (V)	700
Max. charging/discharging current (A)	50
Max. charging/discharging power (W)	20000
Force wake up battery from PV fuction(Y/N)	YES
Grid	
Rated AC voltage (V)	230/400
Rated AC frequency (Hz)	50
Rated AC output current (A)	30.3
Rated AC output power (W)	20000
Rated AC intput current (A)	37.9
Rated AC intput power (W)	20000
PF	0.99(Adjustable from 0.8 leading to0.8 lagging)
THDI	<3%
Rated AC current of BYPASS relays (A)	90
UPS	
Rated output power (W)	20000
Rated output voltage (V)	230/400
Rated output current (A)	30.3
Rated output frequency (Hz)	50
Surge power, duration	1.5Pn, 10s
Switching time	20ms
Wave form	Sine wave
THDV	<3%
Efficiency	
Max. efficiency	97.4%
Max.charging/discharging efficiency	97.2%
Protection	
PV reverse polarity protection(Y/N)	YES
Over current/voltage protection(Y/N)	YES
Anti-islanding protection	YES
AC Short-circuit protection	YES
Leakage current protecion	YES
Grid monitoring	YES
DC switch	YES
Ingress protection	YES
DC Surge protection Type III	YES
AC Surge protection Type III	YES
General	
Dimensions (W*H*D)	605*563*257mm/24*22.4*10.2inch
Weight	43kg/94.8lbs
Ingress protection rating	IP65
Operating environment temperature range	-25~60℃
Storage temperature range	-40~70℃
Relative humidity	0~100%
Display & Communication interface	Touch color screen, RS485/Wifi/CAN
Warranty	5 years
Cooling method	Smart cooling
Topology	Transformer-less
Altitude	<4000m
Noise emission (typical)	<50dB
Standard & Certification	
VDE4105+0214, TOR Type A/B:2022	