

HYBRID SERIES

Three Phase

TriP 6-20k

- Maximum input current 40A for each MPPT
- Maximum 3 MPPT inputs (2 ports for each MPPT)
- High battery voltage ranges from 160 to 700V
- High battery charging/discharging current of 50A
- 20kW UPS output
- 10 seconds double overload current available
- AC coupling function
- Support up to 10 pcs in parallel
- Support unbalanced load



**New TriP, New Journey
3-Phase Solution**



SpecifiCation

INPUT (PV DC)	TriP 6K	TriP 8K	TriP 10K	TriP 12K	TriP 15K	TriP 20K
Max. PV array power(W)	9000	12000	15000	18000	22500	30000
Rated PV input voltage(V)	650					
Number of independent MPPT inputs	2			3		
PV input voltage range(V)	160 1000					
MPPT voltage range(V)	200 900					
Start-up voltage(V)	160					
Max. PV input current per MPPT(A)	20/20			40/40/40		
Max. PV short-circuit current input per MPPT	25/25			50/50/50		
Battery						
Compatible battery type	Lithium-ion/Lead-Acid					
Rated battery voltage(V)	400					
Battery voltage range(V)	160 700					
Max. charging voltage(V)	700					
Max. charging/discharging current(A)	25			50		
Max. charging/discharging power(W)	6000	8000	10000	12000	15000	20000
Force wake up battery from PV function	YES					
Grid						
Rated AC voltage(V)	230/400					
Rated AC frequency(Hz)	50					
Rated AC output current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated AC output power(W)	6000	8000	10000	12000	15000	20000
Max. AC input current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Max. AC input power(W)	6000	8000	10000	12000	15000	20000
PF	0.99					
THDI	<3%					
Rated AC current of BYPASS relays(A)	90					
UPS						
Rated output power(W)	6000	8000	10000	12000	15000	20000
Rated output voltage(V)	230/400					
Rated output current(A)	9.1	12.2	15.2	18.2	22.8	30.3
Rated output frequency(Hz)	50					
Surge power, duration	2Pn, 0.5S					
Switching time	20ms					
Wave form	Sine wave					
THDV	<3%					
Efficiency						
Max. MPPT efficiency	99.0%					
European efficiency	95.5%					
Max. Charge/Discharge efficiency	96.0%					
Protection						
PV reverse polarity protection	YES					
Over current/voltage protection	YES					
Anti-islanding protection	YES					
AC Short-circuit protection	YES					
Leakage current protection	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)	560*510*260mm/22*20.1*10.2inch					
Weight	43kg/94.8lbs					
Ingress protection rating	IP65					
Operating environment temperature range	-25 60°C					
Storage temperature range	-40 70°C					
Relative humidity	0 100%					
Display & Communication interface	Touch color screen, RS485/Wifi/CAN					
Warranty	5 years					
Cooling method	Natural cooling				FAN	
Topology	Transformer-less					
Altitude	<2000m					
Noise emission(typical)	<50dB					
Standards & Certification						