

# 3 PHASE HV HYBRID INVERTER



Hybrid | Three Phase | High Voltage

10/12/15/18/20kW



Support 100% Three  
Phase Unbalance



SiC Technology  
98.2% Efficiency



15 Units Parallel



Supports 130-200%  
Instant Overload  
(60s)



2 Independent Battery  
Ports for Mixture Use of  
Old & New Battery



1.5 Times DC/AC Ratio



Max. Grid Current  
Ratio 1:1.8



Support Altitude  
5000m (>3000m  
Derating)



Support AC Couple

Model Name	EURO 10000T	EURO 12000T	EURO 15000T	EURO 18000T	EURO 20000T
<b>Off-grid Output</b>					
Nominal Output Power	10kW	12kW	15kW	18kW	20kW
Nominal Voltage	3/N/PE, 220/380Vac, 230/400Vac				
Nominal Frequency	50/60Hz				
Output THDu	<3%				
Nominal Output Current	15A	18A	22.5A	27A	30A
<b>On-grid Parameter</b>					
Nominal Output Power	10kW	12kW	15kW	18kW	20kW
Max. Output Power	11kVA	13.2kVA	16.5kVA	19.8kVA	22kVA
Max. Input Power from Grid	20kVA	24kVA	30kVA	36kVA	40kVA
Max. Input Current from Grid	29A	35A	44A	52A	58A
Max. Output Current	16A	20A	24A	29A	32A
Nominal Grid Voltage	3/N/PE, 220/380V, 230/400V, 240/415V				
Grid Voltage Range	184-276V/320-480V				
<b>PV Input</b>					
Max. Input Power	20000Wp	24000Wp	30000Wp	30000Wp	30000Wp
Max. Input Voltage	1000V				
Number of MPPTs	2				
Max. Input Strings Per MPPT	2				
MPPT Voltage Range	130-960V				
Full Load MPPT Voltage Range	250-850V	290-850V	350-850V	410-850V	450-850V
Nominal Input Voltage	600V				
Starting Voltage	200V				
Max. Input Current	25A/25A				
Short-Circuit Current	30A/30A				
<b>Battery Parameter</b>					
Battery Type	Lithium-ion/Lead-Acid (Optional)				
Number of Battery Input	2				
Battery Voltage Range	125-800V				
Full Load Battery Voltage Range	210-800V	250-800V	300-800V	360-800V	400-800V
Peak Charging/Discharging Current & Duration	35A+35A(60s)				
Max. Charging/Discharging Current	25A+25A				
<b>Efficiency</b>					
Max. Efficiency	98.20%				
European Efficiency	97.70%				
Max. Battery Charging/Discharging Efficiency	97.80%				
<b>General Data</b>					
Size(W*H*D)	573mm*509mm*219mm				
Weight	35kg				
Noise	<45db(A)				
Operating Temperature Range	-25°C~+60°C				
Cooling Method	Air Cooling				
Ingress Protection Grade	IP65				
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port				
Monitoring	LED/APP/WIFI/4G/Bluetooth				
Protection	DC Switch, AC Overvoltage Protection, AC Overcurrent Protection, AC Short Circuit Protection, Anti-islanding Protection, Residual Current Monitoring, PV Insulation Resistance Detection, Surge Protection:LEVEL II , Reverse Polarity Protection(PV&Battery);Lightning Protection				
<b>Certification</b>					
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2 , IEC62477-1				
CE EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN 62920				
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, NRS 097-2-1, AS 4777.2, R25,UNE217001,UNE217002,NTS 2.1 AS4777.2:2020+Amd 1:2021, PEA, MEA , IEC 61727, IEC 62116, NC RfG				