

ROSA Series T1

Three Phase Hybrid Inverter



Multiple Layers of Protection



Easy and Simple Installation



Outstanding Efficiency



Parallel-Connection for System Expansion



Features

- User-friendly one-tap APP configuration
- “X-Energy” EMS: PV, grid, loads, and storage are all included in one system, significantly improving efficiency
- Double-guaranteed security through Edge-cloud synergy
- Deep machine learning makes us your family energy COO

ROSA Series T1

Three-Phase Hybrid Inverter

Battery Parameters				
Battery voltage range	80~550V			
Rated power	5000W	6000W	8000W	10000W
Rated current	35A			
Communication	CAN(or RS485)			
Input DC(PV side)				
Recommended Max. PV input power	7500W	9000W	12000W	15000W
Input Voltage	1000V[max], 600V[rated], 120V[start], 120~1000V[operating range]			
Full power MPPT voltage range	250~850V	320~850V	360~850V	400~850V
MPPT parameter	2 MPPT, 2 × 13.5A [Max input current], 2 × 16.9A [Max short circuit current]			
Output/Input AC(Grid side)				
Rated grid parameter	3W/N/PE, 230/400Vac(310~476Vac), 50/60Hz			
Rated AC power	5000W	6000W	8000W	10000W
Max. AC current(Output / Input)	7.6A	9.1A	12.1A	15.2A
Output THDI(@Nominal output)	< 3%			
Output AC(Emergency Power Supply)				
Max. AC output	5000W / 5000VA	6000W / 6000VA	8000W / 8000VA	10000W / 10000VA
Max. output current	7.6A	9.1A	12.1A	15.2A
Nominal voltage, frequency	230V/400V , 50/60Hz			
Switch time	< 10ms			
Efficiency				
European efficiency	97.2%	97.3%	97.4%	97.5%
Max. efficiency	97.8%	98.0%	98.2%	98.2%
Protection				
Basic Protection	DC switch , DC reverse polarity protection , AC/DC surge protection(Type II) , Battery reverse protection , AC short-circuit protection , Ground fault monitoring , Grid monitoring , Anti-islanding protection , Residual-current monitoring unit , Insulation resistance monitoring			
General Data				
Temperature range	-25 °C ~ +60 °C			
Topology	Transformerless			
IP Degree	IP65			
Communication	RS485/CAN/USB ,RF/WIFI/GPRS			
Max.altitude	3000m			
Weight	30kg			
Cooling	Natural			
Dimension(W*H*D)	505*453*198mm			
Parallel fuction	Yes			
Warranty	5 Years			
Certifications & Standards	"IEC 62109-1 & -2, EN/IEC 61000-6-1/3, DIN VDE V 0124-100:2020 VDE-AR-N 4105:2018,UNE 217001,UNE 217002,NTS 631 V2.1 SEPE(type A) RD1699, C10/11, CEI 0-21"			