



SNP-5/6/8/10K-EU

THREE PHASE, 2 MPPTS, HIGH VOLTAGE HYBRID INVERTER



Remote firmware
upgrade&setting



Virtual Power
Plant integrated



Compact size and
easy installation

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THREE PHASE, 2 MPPTS, HIGH VOLTAGE HYBRID INVERTER

MODEL	5000 HVT	6000 HVT	8000 HVT	10000 HVT
PV INPUT				
Max. Recommended PV Power [Wp]	7500	9000	12000	15000
Max. PV Input Voltage [V]			1000	
MPPT Voltage Range			180 - 950	
Rated PV Input Voltage [V]			600	
Start-up Voltage [V]			160	
No. of MPP Trackers			2	
No. of Input Strings per Tracker			1	
Max. PV Input Current [A]			18 / 18	
Max. Short-circuit Current per MPPT [A]			23	
DC Switch			Integrated	
AC INPUT / OUTPUT				
Rated AC Power [W]	5000	6000	8000	10000
Max.AC Power Output to Grid [VA]	5500	6600	8800	11000
Max.AC Power from Grid [VA]	10000	12000	16000	20000
Rated AC Current [A]	7.6	9.1	12.2	15.2
Rated AC Voltage / Range [V]			3 / N / PE, 220 / 380, 230 / 400	
Grid Frequency / Range [Hz]			50 / 60	
Adjustable Power Factor [cosφ]			0.8 leading - 0.8 lagging	
Output THDi (@Rated Output)			< 3%	
BATTERY				
Battery Type			Lithium	
Battery Voltage Range [V]			160 - 700	
Max. Charging / Discharging Current [A]			30	
Communication Interface			CAN	
EPS OUTPUT (WITH BATTERY)				
EPS Rated Power [W]	5000	6000	8000	10000
EPS Rated Voltage [V]			3 / N / PE, 220 / 380, 230 / 400	
EPS Rated Frequency [Hz]	7.6	9.1	50 / 60	15.2
EPS Rated Current [A]				
Output THDi (@Rated Output)			< 3%	
Peak Apparent Power, Duration [VA,s]	7500,60	9000,60	12000,60	15000,60
EFFICIENCY				
Max. Efficiency	98.00%	98.00%	98.00%	98.00%
Euro Efficiency	97.70%	97.70%	97.70%	97.70%
Max. Battery Charge / Discharge Efficiency	97.60%	97.60%	97.60%	97.60%
PROTECTION				
DC Insulation Monitoring			Integrated	
Input Reverse Polarity Protection			Integrated	
Anti-island Protection			Integrated	
Residual Current Monitoring			Integrated	
Over-heat Protection			Integrated	
AC Overcurrent Protection			Integrated	
AC Short-circuit Protection			Integrated	
AC Overvoltage Protection			Integrated	
DC Surge Protection			Integrated (Type II)	
AC Surge Protection			Integrated (Type II)	
GENERAL DATA				
Dimensions (W*H*D)			520 * 412 * 186mm	
Weight [kg]			27	
User Interface			LED + OLED	
Communication			CAN, RS485, USB Upgrade, Optional: WIFI, 4G, Ethernet	
Operating Temperature Range [°C]			-25 - +60	
Relative Humidity			0 - 100%	
Operating Altitude [m]			< 2000	
Standby Self Consumption [W]			< 15	
Topology			Transformerless	
Cooling			Natural	
Enclosure			IP65	
Noise [dB]			< 35	
Warranty [years]			5+5	
CERTIFICATION				
Grid Regulation		VDE-AR-N 4105, EN 50549-1, VDE 026, CEI 0-21, EN 50549-PL, ÖVE/ÖNORM E 8001-4-712, EN50549-CZ		
Safety Regulation		IEC 62109-1, IEC 62109-2		
EMC		IEC 61000-6-1, IEC 61000-6-3		



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MODEL	14900 HVT	150000 HVT	19900 HVT	20000 HVT
PV INPUT				
Max. Recommended PV Power [Wp]	22500	22500	30000	30000
Max. PV Power for Single MPPT [Wp]		15000		
Max. PV input Voltage [V]		1000		
MPPT Voltage Range [V]		180-960		
Rated PV Input Voltage [V]		700		
Start-up Voltage [V]		200		
No. of MPP Trackers		3		
No. of Input Strings per Tracker		2/2/2		
Max. PV Input Current [A]		36/36/36		
Max. Short-circuit Current [A]		46/ 46/46		
Max. Backfeed Current to array (A)		0		
AC OUTPUT	14900	16500	19900	22000
Max. AC Output Apparent Power [VA]	14900	15000	19900	22000
Rated AC Output Power [W]	22.6	25	30.2	33.4
Max. AC Output Current [A]	22.6	22.8	30.2	30.3
Rated AC Output Current (A)				
Rated AC Voltage [V]		3/ N / PE,220 / 380,230 / 400; ±20%		
Grid Frequency [Hz]		50 / 60;±5		
Adjustable Power Factor [cosφ]		0.8leading - 0.8lagging		
Output THDi (@Rated Output)		<3%		
AC INPUT	30000	30000	40000	40000
Max. AC Input Power [VA]	45.5	45.5	60.6	60.6
Max. AC Input Current [A]				
Rated AC Voltage [V]		3/ N/ PE,220 / 380,230 / 400; ±20%		
Grid Frequency [Hz]		50 / 60; ±5		
BATTERY				
Battery Type		Lithium		
Battery Voltage Range [V]		180 - 800		
Max. Charging / Discharging Current [A]		50 / 50		
Max.Charging / Discharging Power [W]	30000/14900	30000/15000	30000/19900	30000/20000
Communication Interface		CAN		
BACKUP OUTPUT (WITH BATTERY)				
Rated Power [W]	14900	15000	19900	20000
Rated Voltage[V]		3 / N / PE, 220 / 380, 230 / 400		
Rated Frequency [Hz]		50 / 60		
Rated Output Current [A]	22.6	22.8	30.2	30.3
Output THDv (@Rated Output)		< 3%		
Peak Apparent Power, Duration [VA,s]	22500,10	22500,10	30000,10	30000,10
Efficiency				
Max. Efficiency		98.10%		
Euro Efficiency		97.70%		
Max. Battery Charge / Discharge Efficiency		97.60%		
Protection				
DC Insulation Monitoring		Integrated		
Input Reverse Polarity Protection		Integrated		
Anti-island Protection		Integrated		
Residual Current Monitoring		Integrated		
Over-heat Protection		Integrated		
AC Overcurrent Protection		Integrated		
AC Short-circuit Protection		Integrated		
AC Overvoltage Protection		Integrated		
DC Surge Protection		Integrated (Type II)		
AC Surge Protection		Integrated (Type II)		
RSD		Optional		
AFCI Protection		Optional		
DC Switch		Integ rated		
General Data				
Dimensions (W * H* D) [mm]		630 * 520 * 225mm		
Weight [KG]		48		
Display		LED + LED		
Communication		RS485, USB Update,4* DI, 2* DO, Optional: WiFi, 4G, Ethernet		
Ambient Temperature Range [°C]		-30- +60		
Relative Humidity		0~ 100%		
Operating Altitude [m]		<2000		
Night Self-consumption [W]		<15		
Topology		Transformerless		
Cooling		Natural		
Ingress Protection		IP66		
Protective Class		I		

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THREE PHASE, 3 MPPTS, HIGH VOLTAGE HYBRID INVERTER

MODEL	25000 HVT	29900 HVT	30000 HVT
PV INPUT			
Max. Recommended PV Power [Wp]	37500	45000	45000
Max. PV Power for Single MPPT [Wp]		15000	
Max. PV input Voltage [V]		1000	
MPPT Voltage Range [V]		180-960	
Rated PV Input Voltage [V]		700	
Start-up Voltage [V]		200	
No. of MPP Trackers		3	
No. of Input Strings per Tracker		2/2/2	
Max. PV Input Current [A]		36/36/36	
Max. Short-circuit Current [A]		46/ 46/46	
Max. Backfeed Current to array (A)		0	
AC OUTPUT	27500	29900	33000
Max. AC Output Apparent Power [VA]	25000	29900	30000
Rated AC Output Power [W]	41.7	45.4	50
Max. AC Output Current [A]	37.9	45.4	45.5
Rated AC Output Current (A)			
Rated AC Voltage [V]		3/ N / PE,220 / 380,230 / 400; ±20%	
Grid Frequency [Hz]		50 / 60;±5	
Adjustable Power Factor [cosφ]		0.8leading - 0.8lagging	
Output THDi (@Rated Output)		<3%	
AC INPUT	41500	41500	41500
Max. AC Input Power [VA]	63	63	63
Max. AC Input Current [A]			
Rated AC Voltage [V]		3/ N/ PE,220 / 380,230 / 400; ±20%	
Grid Frequency [Hz]		50 / 60; ±5	
BATTERY			
Battery Type		Lithium	
Battery Voltage Range [V]		180 - 800	
Max. Charging / Discharging Current [A]		50 / 50	
Max.Charging / Discharging Power [W]	30000/25000	30000/29900	30000/30000
Communication Interface		CAN	
BACKUP OUTPUT (WITH BATTERY)			
Rated Power [W]	25000	29900	30000
Rated Voltage[V]		3 / N / PE, 220 / 380, 230 / 400	
Rated Frequency [Hz]		50 / 60	
Rated Output Current [A]	37.9	45.4	45.5
Output THDv (@Rated Output)		< 3%	
Peak Apparent Power, Duration [VA,s]	37500,10	45000,10	45000,10
Efficiency			
Max. Efficiency		98.10%	
Euro Efficiency		97.70%	
Max. Battery Charge / Discharge Efficiency		97.60%	
Protection			
DC Insulation Monitoring		Integrated	
Input Reverse Polarity Protection		Integrated	
Anti-island Protection		Integrated	
Residual Current Monitoring		Integrated	
Over-heat Protection		Integrated	
AC Overcurrent Protection		Integrated	
AC Short-circuit Protection		Integrated	
AC Overvoltage Protection		Integrated	
DC Surge Protection		Integrated (Type II)	
AC Surge Protection		Integrated (Type II)	
RSD		Optional	
AFCI Protection		Optional	
DC Switch		Integ rated	
General Data			
Dimensions (W * H* D) [mm]		630 * 520 * 225mm	
Weight [KG]		48	
Display		LED + LED	
Communication		RS485, USB Update,4* DI, 2* DO, Optional: WiFi, 4G, Ethernet	
Ambient Temperature Range [°C]		-30- +60	
Relative Humidity		0~ 100%	
Operating Altitude [m]		<2000	
Night Self-consumption [W]		<15	
Topology		Transformerless	
Cooling		Natural	
Ingress Protection		IP66	
Protective Class		I	