



SNP-3/3.6/5/6K-EU

SINGLE PHASE, 2 MPPTS, HIGH VOLTAGE HYBRID INVERTER



Remote firmware
upgrade&setting



Virtual Power
Plant integrated



Compact size and
easy installation



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SINGLE PHASE, 2 MPPTS, HIGH VOLTAGE HYBRID INVERTER

MODEL	3000 HVS	3680 HVS	5000 HVS	6000 HVS
PV INPUT				
Recommended Max. PV Power [Wp]	4500	5500	7500	9000
Max. PV Input Voltage [V]			600	
MPPT Voltage Range [V]			120 - 550	
Rated PV Input Voltage [V]			360	
Start-up Voltage [V]			150	
No.of MPP Trackers			2	
No.of Input Strings per Tracker			1	
Max. Input Current per MPPT [A]			13.5 / 13.5	
Max. Short-circuit Current per MPPT [A]			17 / 17	
DC Switch			Integrated	
AC INPUT / OUTPUT (ON-GRID)				
Maximum Apparent Power [VA]	3000	3680	5000	6000
Rated AC Power [W]	3000	3680	5000	6000
Rated AC Current [A]	13	16	21.7	26.1
Rated AC Voltage [V]			220 / 230 / 240	
Grid Frequency [Hz]			50 / 60	
Adjustable Power Factor [cosφ]			0.8 leading - 0.8 lagging	
Output THDI (@Rated Output)			< 2%	
BATTERY				
Battery Type			Lithium	
Battery Voltage Range [V]			80 - 450	
Max. Charging / Discharging Current [A]			25	
Max. Charging / Discharging Power [W]	4500 / 3000	5500 / 3680	6000 / 5000	6000 / 6000
Communication Interface			CAN	
EPS OUTPUT (WITH BATTERY)				
EPS Rated Power [W]	3000	3680	5000	6000
EPS Rated Voltage [V]			220 / 230	
EPS Rated Frequency [Hz]			50 / 60	
EPS Rated Current [A]	13	16	21.7	26.1
Output THDI (@Rated Output)			< 3%	
Automatic Switch Time [s]			< 0.5	
Peak Apparent Power, Duration [VA,s]	4500,10	5520,10	7500,10	9000,10
EFFICIENCY				
Max. Efficiency	97.40%	97.50%	97.50%	97.50%
Euro Efficiency	97.20%	97.20%	97.20%	97.20%
Battery Charge / Discharge Efficiency	97.20%	97.20%	97.20%	97.20%
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	
AC Surge Protection			Integrated	
GENERAL DATA				
Dimensions (W *H*D) [mm]			520*412*172mm	
Weight [kg]			20	
User Interface			LED + OLED	
Communication			CAN, RS485, USB Upgrade, Optional: WiFi, 4G, Ethernet	
Ambient Temperature Range [°C]			-30 - +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		AS 4777, EN 50549-1, EN 50549-PL, EN 50549-GR, IEC 61727, CEI 0-21, IEC 62116, C10/C11, VDE0126, ORDINANCE 140		
Safety Regulation		IEC 62109-1, IEC 62109-2		
EMC		EN/IEC 61000-6-1, EN/IEC 61000-6-3		