

Specification of "s"- Generation ON-Grid PV Inverter - Single Phase

Model		SV 1500s	SV 2000s	SV 3000s
Nominal output power	Pac, nom	1500W	2000W	3000W
Max. apparent power	Pac, max	1650VA	2200VA	3300VA
Input				
Nominal DC voltage	Vpv, nom	360V		
Max. DC voltage	Vpv, max	550V		500V
Working DC voltage range	Vmpp	100 ~ 550V		100 ~ 500 V
full rating MPPT range	Vmpp, fr	175 ~ 500 V	200 ~ 500 V	200 ~ 500
Max. input power/Tracker	Ppv, max	1700W	2300W	3450W
Max. input current/Tracker	Ipv, max	9.1A	11A	17.5A
Output				
Nominal AC voltage	Vac, nom	230V		
Working AC voltage range		184V ~ 276V		
Nominal output current	Iac, nom	6.5 A	8.7 A	13 A
Max. output current	Iac, max	7.2 A	9.6 A	14.4A
AC grid frequency	fac	50Hz		
Harmonic distortion	THD	< 3%		
Power factor	PF	0.99 (±0.9 on demand)		
Max. efficiency	ηmax	96,5%	96,8%	97,2%
Euro efficiency	ηEuro	95,2%	95,8%	96,5%
General data				
Protection rating		IP43	IP43	IP65
Operating temperature range	Top	-20 ~ +60°C		
Full load operating temperature range		-20 ~ +40°C		
Relative humidity		0 to 95%, non-condensing		100%, condensing
Topology		Transformerless		
Cooling concept	φ	Convection		
Operating consumption (standby/night)	Pint	< 7W / < 0.1W	< 7W / < 0.1W	< 7W / < 0.1W
Noise emission	L	< 35 dB		
Grid monitoring		VDE-AR-N 4105 / VDE0126-1-1/A1 / VDE0126-1-1 CEI 0-21 (self-declaration in 2012) RD1699 G83/1-1		
Communication				
Display (LCD)		Character 16 words, 2 lines		
Communication interface		Standard : USB B port, RS485 card Optional : Modbus card / Dry contact		
F/W upgrade		Yes		
Mechanical Data				
Dimensions (mm)	HxWxD	365*355*151	365*355*151	451*427*154
Weight (kg)	m	12,1	12,9	15