CHS-2 50kW

AGRISOLAR
Let the sun be the porter of water SOLUTIONS

MODEL	CHS2-50K-T6-X
DC Input	
Max. PV Array Power [Wp]@STC	100000
Max. DC Voltage [V]	1000
MPPT Voltage Range [V]	180～850
Rated DC Voltage [V]	600
Start Voltage [V]	200
Max.DC Input Current [A]	6*45
Max.DC Short Circuit Current [A]	6*56.5
Number of Strings per MPPT	2
Battery Parameters	
Battery Type	LiFePO4
Rated Energy [kWh]	100.3
Max.Charging/Discharging Current [A]	140
AC Output [On-grid]	
Rated AC Power [W]	50000
Max.Apparent Power[VA]	55000
Rated Output Current[A]@230V	72.5
Max. Output Current [A]@230V	79.8
Rated AC Voltage [V]	3+N+PE/ 3+PE, 380/ 400
Rated Output Frequency/Range [Hz]	50,60/45～55,55～65
Power Factor [cos ϕ]	0i - 1 - 0c
Total Harmonic Distortion [THDi]	<3%
AC input [On-grid]	
Rated AC Voltage/Range [V]	3+N+PE/ 3+PE, 380/ 400
Rated Output Frequency [Hz]	50,6
Max. Input Current [A]	150
AC Output [Back-up]	
Max.Output Power [VA]	55000
Peak Output Apparent Power [VA]	75000,5s
Rated AC Voltage [V]	3+N+PE/ 3+PE,380/ 400
Rated Output Frequency/Range [Hz]	50,60/45～55,55～65
Output THDv (@ Liner Load)	<3%
AC Input [Generator]	
Max. Input Power [W]	50000
Max. Input Current [A]@230V	72.5
Rated Input Voltage [V]	3+N+PE/ 3+PE,380/ 400
Rated Input Frequency/Range [Hz]	50,60/45～55,55～65
Efficiency	
Max. Efficiency	98%
Euro Efficiency	97.3%
Max. Battery to AC Efficiency	96.0%
Protection	
PV Reverse Polarity Protection	Integrated
Anti-islanding Protection	Integrated
AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Overvoltage Protection	Integrated
DC switch	Integrated
DC Surge Protection	II
AC Surge Protection	II

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AFCI	Integrated
RSD	Optional
General Parameters	
Communication	Wi-Fi/Ethernet/CAN/RS485
Topology	Transformerless
Operating Temperature Range	-30℃ to +50℃ (45℃ to 50℃ with derating)
Cooling Method	Air Conditioner
Ambient Humidity	5~95%(No Condensing)
Altitude [m]	2000
Ingress Protection	IP55, IP66(Inverter)
Dimensions [H*W*D] [mm]	1980*988*1065
Weight [kg]	1050(57.3kWh)/1150(71.6kWh)/1250(85.9kWh)/1350 (100.3kWh)
Warranty [Year]	10-May
Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002,
	NBR16149/NBR16150, IEC62109-1/-2, NBT32004-2018, EN61000-6-1,EN61000-6-2,EN61000-6-3, EN61000-6-4