

Model		hopeSunHV 2.50KTL
DC Input	Max. DC Voltage	1500V
	MPPT Voltage Range	500V – 1500V
	MPPT Voltage Range Full Load	820V – 1320V
	Max. Input Current of Each MPPT	26A / 30A
	Number of DC Inputs / MPPT	24 / 12
AC Output	AC Output Power	200kW@50°C / 230kW@40°C / 250kW@30°C
	Max. Active Power (cos ϕ =1)	255kW
	Rated Output Voltage	800V
	Operating Voltage Range	680V – 880V
	Rated Output Current	162.4A
	Max. Output Current	184A
	Rated Grid Frequency	50Hz / 60Hz
	Power Factor	0.8(Leading) – 0.8(Lagging)
	THD	<3%
System Parameters	Max. Efficiency	99.01% / 98.52%
	MPPT Tracking Efficiency	Steady>99.9%; Dynamic>99.0%
	AC/DC SPD	Support
	Insulation Impedance Detection	Support
	Residual Leakage Current Detection	Support
	PV String Fault Detection	Support
	Output Overcurrent Protection	Support
	Protection Level	IP66
	Operating Temperature Range	-40°C – +60°C
	Cooling System	Smart Air Cooling
	Standby Power Consumption	<5W
	Topology Structure	Transformerless
	Operating Altitude	5000m (Derating above 4000m)
	Display	LED Indicator
	Communication	RS485 / PLC
	Certification	IEC62109 / IEC61000 / IEC62116 / IEC61727 / CQC / CGC
Mechanical Parameters	Dimensions (W*H*D)	1000*727*317mm
	Weight	<100kg