

Model		hopeSun 36KTL	hopeSun 40KTL	hopeSun 50KTL	hopeSun 60KTL	hopeSun 70KTL	hopeSun 75KTL	hopeSun 100KTL	hopeSun 110KTL
DC Input	Max. DC Voltage	1100V							
	Starting Voltage	250V							
	MPPT Voltage Range	250V – 1000V							
	MPPT Range Full Load	540V – 880V							
	Max Current / MPPT	26A / 39A		39A				44A/44A/ 55A/55A	
	Number of DC Inputs	8		9	12			18	20
	MPPT Number	3			4				
AC Output	Rated Output Power	36kW	40kW	50kW	60kW	70kW	75kW	100kW	110kW
	Max. Active Power	39.6kW	44kW	55kW	66kW	77kW	82.5kW	110kW	121kW
	Rated Output Voltage	400V (Three Phase)							
	AC Voltage Range	400V±20%							
	Rated Output Current	52.0A	57.7A	72.2A	86.5A	101A	108.2A	145A	159.5A
	Max. Output Current	57.2A	63.5A	79.4A	95.3A	111A	119A	158.8A	174.6A
	Rated Grid Frequency	50Hz / 60Hz							
	Power Factor	0.8 (Leading) – 0.8 (Lagging)							
	THD	<3%							
System Parameters	Max. Efficiency	98.97%	98.95%	99.03%	98.85%	99.00%	99.02%	99.01%	99.01%
	European Efficiency	98.45%		98.51%			98.51%	98.52%	98.52%
	AC/DC SPD	Support							
	PV String Fault Detection	Support							
	RCD	Support							
	AC Overcurrent Protection	Support							
	Cooling System	Smart Air Cooling							
	Operating Temperature	-40°C – +60°C							
	Protection Level	IP65							
	Standby Power Consumption	<1W						<5W	
	Topology Structure	Transformerless							
	Operating Altitude	5000m (Derating above 4000m)							
	Display	LED + APP							
	Communication	RS485 / WiFi / GPRS							
	DC Terminator	MC4							
	AC Terminator	OT / DT (MAX 50mm ²)		OT / DT (MAX 95mm ²)				OT / DT (MAX 300mm ²)	
	Certification	IEC62109 / IEC61000 / IEC62116 / IEC61727 / CQC / CGC							
	Dimensions (W*H*D)	705*650*283mm						800*672*315mm	
Mechanical Parameters	Weight	<65kg		<75kg				<85kg	