



INTELLIGENT PHOTOVOLTAIC CONTROLLER

SUN2000-196KTL-H0

Intelligent photovoltaic controller



Support IV diagnosis



Maximum efficiency 99%



No fuse design



IP66 protection class



18 high precision string detection



Built-in AC-DC lightning protection

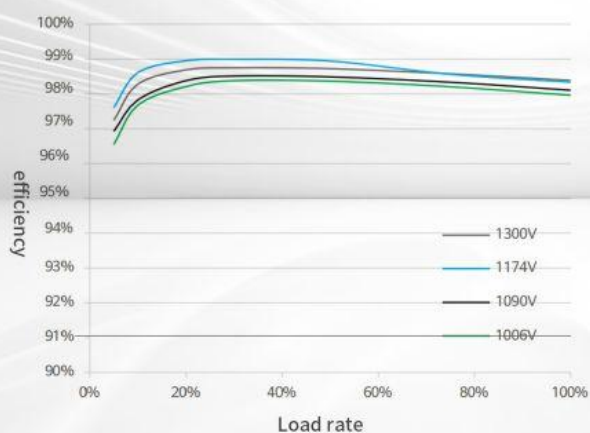


9 way MPPT

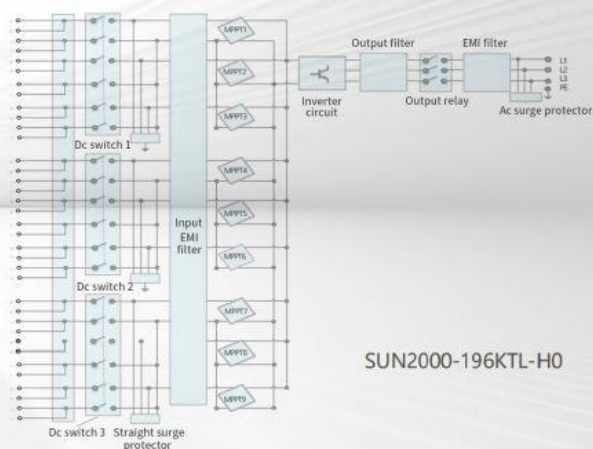


Supports MBUS communication

Efficiency curve



Circuit block diagram





SUN2000-196KTL-H0

Technical parameter		SUN2000-196KTL-H0
efficiency	Maximum efficiency	≥99.0%
	Chinese efficiency	≥98.4%
Input	Maximum input voltage	1,500 V
	Maximum input current of each MPPT	30 A
	MPPT maximum short circuit current of each channel	50 A
	MPPT voltage range	500 V ~ 1,500 V
	Rated input voltage	1080 V
	Maximum number of input channels	18
	MPPT quantity	9
export	Rated output power	196,000 W
	Maximum apparent power	216,000 VA
	Maximum active power(cosφ=1)	216,000 W
	Rated output voltage	800 V, 3W + PE
	Output voltage frequency	50 Hz
	Rated output current	141.5 A
	Maximum output current	155.9 A
	Power factor	0.8 Look ahead 0.8 hysteresis
Protection	Maximum total harmonic distortion	<1% (At rated power)
	Input DC switch	support
	Antiisland protection	support
	Output overcurrent protection	support
	Input reverse protection	support
	Cluster fault detection	support
	Straight wandering surge protection	Type II
	Ac surge protection	Type II
Display and communication	Insulation impedance detection	support
	Residual current monitoring	support
	reveal	LED Pilot lamp, WLAN+APP
	RS485	support
Conventional parameter	USB	support
	MBUS	support
	Dimensions (width x height x thickness)	1035 x 700 x 365 mm
	Weight (including pylon)	86 kg
	Operating temperature	-25°C ~ 60°C
	Cooling mode	Intelligent air cooling
	Maximum working altitude	5,000 m (> 4,000 m derate)
	Relative humidity	0 ~ 100%
	Input terminal	MC4 EVO2
	Output terminal	Waterproof terminal+ OT/DTterminal
	Class of protection	IP66
	topology	transformerless