



INTELLIGENT PHOTOVOLTAIC CONTROLLER

SUN2000-60KTL-M0

Intelligent photovoltaic controller



Support IV diagnosis



Maximum efficiency 98.6%



No fuse design



IP65 protection rating



12-way high-precision
string detection



Built-in AC-DC lightning
protection

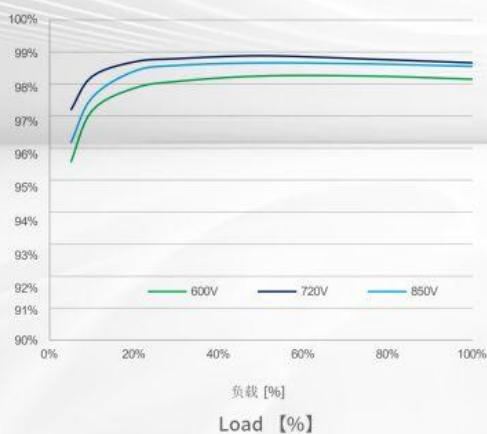


Built-in RCD detection

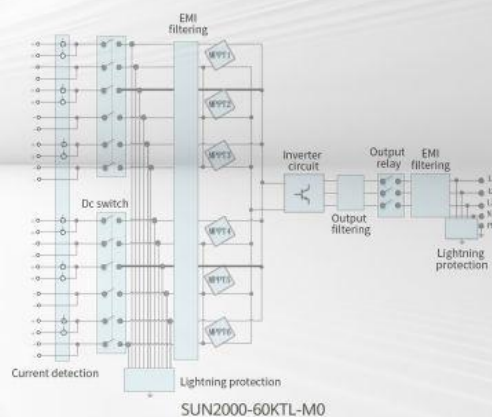


Supports MBUS
communication

Efficiency curve



Circuit block diagram





SUN2000-60KTL-M0

Technical parameter		SUN2000-60KTL-M0
efficiency	Maximum efficiency	98.60%
	Chinese efficiency	98.30%
input	Maximum input voltage	1100 V
	Maximum input current of each MPPT	22 A (two-way) / 18 A (Single channel)
	MPPT maximum short circuit current of each channel	30 A
	MPPT voltage range	200 V ~ 1000 V
	Rated input voltage	680 V
	Maximum number of input channels	12
	MPPT quantity	6
output	Rated output power	60000 W
	Maximum apparent power	66000 VA
	Maximum active power (cosφ=1)	66000 W
	Rated output voltage	220 V / 380 V 230 V/ 400 V acquiesce 3W+N+PE, Optional Settings 3W+PE
	Output voltage frequency	50 Hz
	Rated output current	91.2 A
	Maximum output current	100 A
	Power factor	0.8 Look ahead 0.8 hysteresis
	Maximum total harmonic distortion	<3%
	Input DC switch	support
Protection	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
	Insulation impedance detection	support
	Residual current monitoring	support
	reveal	LED indicator WLAN+APP
	RS485	support
Conventional parameter	USB	support
	MBUS	support
	Dongle	support
	Dimensions (width x height x thickness)	1075 x 555 x 300 mm
	Weight (including pylon)	73 kg
	Operating temperature	-25°C ~ 60°C
	Maximum working altitude	5000 m (> 4000 m derate)
	Relative humidity	0 ~ 100%
	Input terminal	Amphenol Helios H4
	Output terminal	Waterproof PG head + OT terminal
	Class of protection	IP65
	topology	transformerless
	China	NB/T 32004