



INTELLIGENT PHOTOVOLTAIC CONTROLLER

SUN600-15/17/20/25KTL-ZHM0 Intelligent photovoltaic controller



Wisdom is highly reliable

10 years warranty is standard
Better adapt to weak rural power grids



Be wise and secure

Excellent EMC performance
Strictly meet compliance requirements



Zhiduo power generation

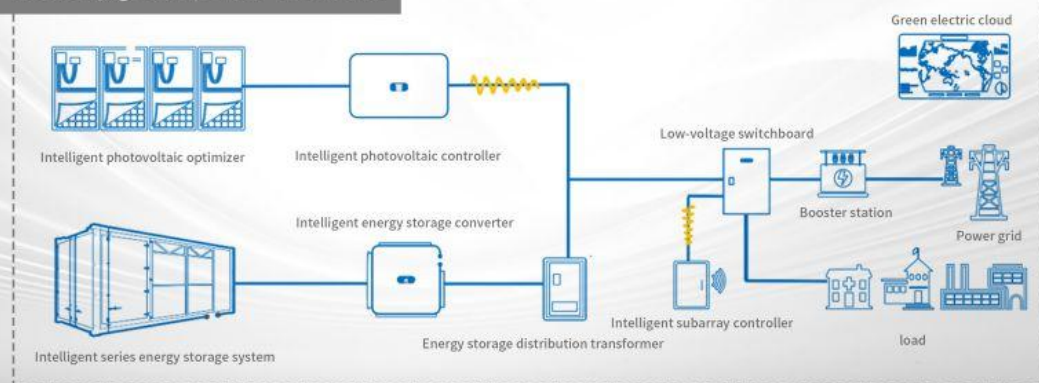
Intelligent MPPT multi-peak tracking 30A
MPPTCurrent is better suited to
high-current components



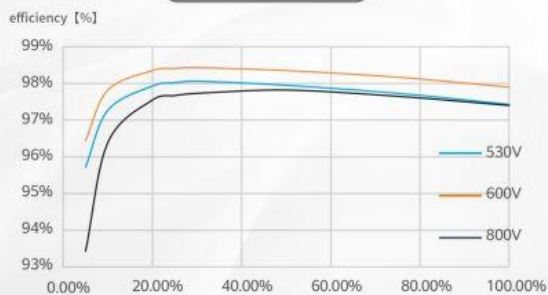
Wisdom is easy to worry about

Intelligent photovoltaic cloud intelligent
operation and maintenance,
Digital management value in one screen

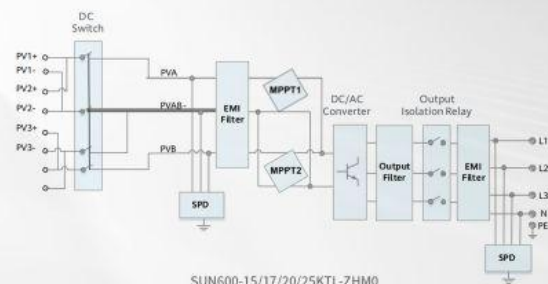
Industry green power solutions



Efficiency curve



Circuit block diagram



SUN600-15/17/20/25KTL-ZHM0



SUN600-15/17/20/25KTL-ZHM0

Technical parameter		SUN600-15KTL-ZHM0	SUN600-17KTL-ZHM0	SUN600-20KTL-ZHM0	SUN600-25KTL-ZHM0
efficiency	Maximum efficiency	98.5%	98.5%	98.5%	98.5%
	Chinese efficiency	97.4%	97.5%	97.6%	98.0%
	Maximum recommended component power	22500 Wp	25500 Wp	30000 Wp	37500 Wp
Input	Maximum DC input voltage 1	1100 V			
	Full load MPPT range	410V~800V	440V~800V	480V~800V	530~800V
	MPPT voltage range 2	200 V ~ 1000 V			
	Starting voltage	200 V			
	Rated input voltage	600 V			
	Maximum input current of each MPPT	20A (Single group string) / 30A (1 way MPPT)			
	MPPT maximum short circuit current of each channel	40A			
	MPPT quantity	2			
	Maximum number of input channels	4			
	Adaptive network	Three phase			
	Rated output power	15000 W	17000 W	20000 W	25000 W
Output	Maximum output apparent power	16500 VA	18700 VA	22000 VA	27500 W
	Rated output voltage	220Vac / 380Vac/230Vac / 400Vac/3W/N+PE			
	Rated output frequency	50 Hz / 60 Hz			
	Maximum output current	25.2A/380Vac	28.6A/380Vac	33.6A/380Vac	42.0A/380Vac
		23.9A/400Vac	27.1A/400Vac	31.9A/400Vac	39.9A/400Vac
	Power factor	0.8 Look ahead 0.8 hysteresis			
	Maximum total harmonic distortion	< 3 %			
Characteristics and protection	Input DC switch	support			
	Antiisland protection	support			
	Ac overcurrent protection	support			
	Ac short circuit protection	support			
	Ac overvoltage protection	support			
	Insulation impedance detection	support			
	Dc reverse protection	support			
	Straight wandering surge protection	CLASS II			
	Ac surge protection	CLASS II			
General parameters	Residual current detection unit	support			
	Operating temperature	-25 ~ +60 °C			
	Operating relative humidity	0 % RH ~ 100% RH			
	Maximum working altitude	4,000 m (Derating over 2,000m)			
	Cooling mode	Intelligent air cooling			
	reveal	LED Pilot lamp ; built-in WLAN + FusionSolar APP			
	Can be extended external communication	Standard: Built-in WLAN module, 4G intelligent communication stick Weight (including mounting parts)			
	Dimensions (including mounting parts) (W x H x D)	546*460*228 mm			
Criteria met	Class of protection	IP66			
	Safety standard	EN/IEC 62109-1, EN/IEC 62109-2			
	Grid connection standard	NB/T 32004			