



SR-100k



MODEL		SR-100K
INPUT (DC)	Max Recommended PV Power (kWp)	110
	Max DC Open Circuit Voltage (V)	900
	Max DC Input Current (A)	250
	MPPT Tracking Accuracy	>99%
	MPPT Tracking Range (V)	450-820
OUTPUT (AC)	Rated AC Output Power (kW)	100
	Nominal Power Grid Voltage (V)	210/420
	Allowable Power Grid Voltage (V)	178-242/356-484
	Nominal Power Grid Frequency (Hz)	50/60
	Allowable Power Grid Frequency (Hz)	46.5-52.5/54.6-63 (Adjustable according to grid requirement)
	THD	<3% (at rated power)
	Power Factor	0.92 (leading) -- 0.92(lagging)
SYSTEM EFFICIENCY	Efficiency	>95.5%
	Peak Efficiency	97.3%
	Night Time Tire Loss (W)	<20
PROTECTION FUNCTIONS	Surge Protection	C (class II)
	Over/Under Voltage Protection	Yes
	Over/Under Frequency Protection	Yes
	Anti-Islanding Protection	Yes
	Over Current Protection	Yes
	Reverse DC Polarity Protection	Yes
	Overload Protection	Yes
	Protection Degree	IP20(indoor) / IP54(outdoor)
OTHER PARAMETERS	Environment Temperature	-35℃ -- +50℃
	Environment Humidity	0-95% non-condensation
	Display	128*64 graphic VFD and keypad
	Communications	RS485,RS232,Ethernet(option),Zigbee(option)
	Dimension (D-W-H mm)	800*1200*2200(indoor) 1500*1500*2430(outdoor)
	Weight (kg)	850(indoor) / 1400(outdoor)

