



SUN-6/8/10/12K-H3

- ⚙ Up to 110% phase unbalanced output
- ⚙ 10ms UPS-level backup switching
- ⚡ 140–750V wide battery voltage range
- 🔋 Max. efficiency up to 98.2%
- 🔋 Maximum 200% backup output overload for 60s

Specification

Model	SUN-6K-H3	SUN-8K-H3	SUN-10K-H3	SUN-12K-H3
PV input				
Max.Input Power(W)	9600	12800	16000	19200
Max.DC Input Voltage(V)	1000			
Rated DC Input Voltage(V)	620			
MPPT Voltage Range(V)	200-850	200-850	200-850	200-850
Number of MPP Trackers	2			
Max. Input Current(A)	16/16			
Battery				
Battery Communication Mode	CAN/RS485			
Battery Voltage Range (V)	140-750			
Max. Charge/Discharge Current(A)	25/25			
Rated Current of Built-in Fuse(A)	63			
Output(Grid)				
Rated Output Power(W)**	6000	8000	10000	12000
Max. Output Power (W)	6600	8800	11000	13200
Max. Apparent Power(VA)	6600	8800	11000	13200
Max. Charging Power of Battery(W)	6000	8000	10000	12000
Grid Type**	3L/N/PE , 230/400V			
Rated AC Frequency (Hz)	50/60 45-55/55-65			
Power Factor	0.8 leading ...0.8 lagging			
THDi @Rated Power	<3%			
Efficiency				
Max. Efficiency	98.10%	98.20%	98.20%	98.20%
Euro Efficiency	97.30%	97.40%	97.40%	97.40%
Max. Battery Charging Coversion Efficiency	97.20%	97.30%	97.30%	97.30%
Equipment Protection				
Integrated	DC Reverse Polarity Protection, BatteryInput Reverse Connection Protection, Insulation Resistance Protection, Surge Protection, Over-temperature Protection, Residual Current Protection, Anti-islanding Protection, AC Over-voltage Protection, Overload Protection, AC Short-circuit Protection			
General Data				
Dimension (mm)	550*410*175			
Weight (kg)	26~28			
Protection Degree	IP65			
Topology	Transformerless			
Operating Temperature Range (°C)	-30℃-60℃			
Relative Humidity (%)	0-100			
Operating Altitude(m)	4000(derating>3000)			
Type of Cooling	Natural Convection			
Noise (dB)	<25			
Display	LED/OLED			
Communication	WiFi/LAN(Optional)			