

Designed to last longer.



8 / 10 / 12

- 01 Built-in breakers
- 02 Rapid shut-down
- 03 Plug-in Wi-Fi device
- 04 Up to 200A charging current
- 05 American engineered data transmission

		SUN-8K -UP	SUN-10K -UP	SUN-12K -UP	Can be Set
Battery Input Data					
Battery Type		Lead-acid/lithium-ion battery			√
Battery Voltage Range	[V]	40-60			
Max. PV Charging Current	[A]	200			√
Max. Mains Charging Current	[A]	120			√
Max. Alternator Charging Current	[A]	60			
Max. Hybrid Charging Current	[A]	200			√
Output AC On-Grid					
Rated Output Power	[W]	8,800	10,000	12,000	
Max. Peak Power	[VA]	17,600	20,000	24,000	
Rated Output Voltage	[V]	120/240, single-phase / split-phase / three-phase(parallel)			√
Load Capacity of Motors	[Hp]	5		6	
Rated Frequency	[Hz]	50/60			
PV Input					
No. of MPPT trackers/ No. of Strings MPP trackers		2/2			
Max. PV Array Power	[W]	5,000 + 5,000		6,000 + 6,000	
Max. Input Current	[A]	25 + 25			
Max. Open-circuit Voltage	[V]	550 + 550			
MPPT Operating Voltage Range	[V]	125 ~ 450			
Mains / Generator Input					
Input Voltage Range	[V]	90 ~ 140			√
Frequency Range	[Hz]	50/60			
Passthrough Current	[A]	63			
Efficiency		97.60%			
Max. Efficiency	[%]	96.50%			
Euro Efficiency	[%]	>99%			
MPPT Efficiency	[%]				
Communication		Rs485 / CAN / USB / Dry contact			
Communication Interface		GPRS / Wi-Fi			√
External Modules (Optional)					√
General Data		-25 to + 60, >45°C Derating			
Operating Temperature Range	[°C]	0-100%			
Permissible Ambient Humidity		2000m			
Permissible Altitude		<45			
Noise	[dB]	IP 65			
Ingress Protection	[IP]				
		750×440×240 (29.52×17.32×9.45)			
Cabinet Size (WxHxD)	[mm/in]	42 (92.59)			
Weight	[kg/lb]	Intelligent air cooling			
Type of Cooling		5 years			
Warranty					