

Designed to last longer.



Pro

8 / 10 / 12

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

		SUN-8K -UPRO	SUN-10K -UPRO	SUN-12K -UPRO	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. Grid Charging Current	[A]	90			√
Max. Alternator Charging Current	[A]	60			√
Max. Hybrid Charging Current	[A]	240			√
Output AC On-Grid					
Max. PV Input Voltage	[W]	8,800	10,000	@240V 12,000 @208V 10,400	
Max. Peak Power	[VA]	1.5 times rated power @10s, 2 times rated power @0.5s			
Rated Output Voltage	[V]	120/240 (single-phase / split-phase); 120/208 (three-phase)			√
Load Capacity of Motors	[Hp]	5		6	
Rated Frequency	[Hz]	50/60			√
Locked Rotor Amps (LRA)	[A]	123(Ipeak)			
Max. Continuous Output Current	[A]	@240V 36.6 @208V 42.3	@240V 41.7 @208V 48.1	50	
Scalability	[Unit]	1~6 in parallel			
PV Input					
No. of MPPT trackers/ No. of Strings MPP trackers		2/2			
Max. PV Array Power	[W]	6,600 + 6,600	7,500 + 7,500	9,000 + 9,000	
Max. Input Current	[A]	32 + 32			
Max. Open-circuit Voltage	[V]	550 + 550			
MPPT Operating Voltage Range	[V]	125 ~ 450			
Grid / Generator Input					
Input Voltage Range	[V]	90 ~ 140			
Frequency Range	[Hz]	50/60			
Continuous Grid Passthrough Current	[A]	200			
Continuous Generator Passthrough Current	[A]	50			
Efficiency					
Max. Efficiency	[%]	97.60%			
CEC Efficiency	[%]	96.50%			
MPPT Efficiency	[%]	>99%			
Communication					
Communication Interface		Rs485 / CAN / USB / Dry contact			
External Modules (Optional)		GPRS / Wi-Fi			
General Data					
Operating Temperature Range	[°C]	-25 to + 60, >45°C Derating			
Permissible Ambient Humidity		0-100%			
Permissible Altitude		2000m			
Noise	[dB]	<60			
Ingress Protection	[IP]	IP 65			
Self-comsumption	[W]	<100			
Cabinet Size (WxHxD)	[mm/in]	840×440×260 (33.07×17.32×10.24)			
Weight	[kg/lb]	48 (105.82)			
Type of Cooling		Intelligent air cooling			
Warranty		5 years			

SUNPLUS pursues minimizing paper output in consideration of the global environment