



● Portable Storage Inverter

● Singo Series

● Singo600-120V/230V Singo1000-120V/230V Singo1500-120V/230V Singo2000-120V/230V

FEATURE

- 100w high power PD output.
- LFP battery built inside to guarantee safety.
- DC/PV input with MPPT function to charge the battery.
- High power factor portable inverter with pure sine wave output.
- Bi-directional inverter that supports AC fast charging within 99mins to full capacity;



Model	Singo600		Singo1000	
	120Vac	230Vac	120Vac	230Vac
Battery Input				
Battery Input nominal voltage [V]	22.5			
Battery Input voltage range[V]	18.2~26			
Battery capacity [Wh]	560		896	
Nominal charging current [A]	25A		40A	
Nominal discharging current [A]	25A		40A	
Max discharging current [A]	36A		60A	
Life cycles (@25°C, 1C discharge)	2000			
AC Input				
AC charging power [W]	500		800	
Nominal voltage[Vac]	120	230	120	230
Voltage range[V]	90~140	196~260	90~140	196~260
Nominal Frequency[Hz]	60	50	60	50
Frequency range[Hz]	55~65	45~55	55~65	45~55
Power Factor (@max. charging power)	>0.99			
DC Input				
Max car charging input power [W]	120			
Max solar charging input power [W]	200			
DC input voltage range [V]	10~30			
Max DC/PV input current [A]	10			
AC Output				
Nominal AC Power [W]	800		1000	
Surge power [W]	1500		1800	
Nominal Grid Voltage [Vac]	120	230	120	230
Nominal Grid Frequency [Hz]	60	50	60	50
Max.AC Current [A]	10.8	5.6	13.7	6.9
Nominal AC Current [A]	6.7	3.5	8.3	4.3
THDv at Nominal Power	<1.5%			
DC Output				
USB-A (x1)	12.5w, 5V, 2.5A			
QC3.0 (x2)	28w, (5V, 9V, 12V), 2.4A			
USB-TypeC (x2)	100w, (5V, 9V, 12V, 20V), 5A,			
Car port and DC port totally max output power	120w			
Car port (x1)	120w, 13.5V, 10A			
DC port (x2)	120w, 13.5V, 10A			
Other features				
LED light	3w			
LCD	97mm*48mm			
wireless charger	Optional			
Parallel output	Optional			
Efficiency				
Battery to AC Max[%]	93.5	92.3	93.5	92.3
AC to battery Max[%]	92			
Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; inverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage;			
General Data				
Dimensions (W*H*D) [mm]	380*280*220			
Weight [Kg]	15			
Cooling concept	Forced air cooling			
Operation temperature range [°C]	0~45°C (charging) , -20~60°C (discharging)			
Operation relative humidity [RH(%)]	0-95, Non condensation			
Ingress protection	IP20			
Noise[dB]	<65dB			
Communication interface	WiFi			

Model	Singo600		Singo1000	
	120Vac	230Vac	120Vac	230Vac
Efficiency				
Battery to AC Max[%]	91.6	90.0	91.6	90.0
AC to battery Max[%]	89.5			
Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; inverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage;			
General Data				
Dimensions (W*H*D) [mm]	350*272*216			
Weight [Kg]	9.8			
Cooling concept	Forced air cooling			
Operation temperature range [°C]	0~45°C (charging) , -20~60°C (discharging)			
Operation relative humidity [RH(%)]	0-95, Non condensation			
Ingress protection	IP20			
Noise[dB]	<65dB			
Communication interface	WiFi			
Model	Singo1500		Singo2000	
	120Vac	230Vac	120Vac	230Vac
Battery Input				
Battery Input nominal voltage [V]	48			
Battery Input voltage range[V]	37~60			
Battery capacity [Wh]	1280		1680	
Nominal charging current [A]	25A		35A	
Nominal discharging current [A]	25A		35A	
Max discharging current [A]	36A		52A	
Life cycles (@25°C, 1C discharge)	2000			
AC Input				
AC charging power [W]	1200		1600	
Nominal voltage[Vac]	120	230	120	230
Voltage range[V]	90~140	196~260	90~140	196~260
Nominal Frequency[Hz]	60	50	60	50
Frequency range[Hz]	55~65	45~55	55~65	45~55
Power Factor (@max. charging power)	>0.99			
DC Input				
Max car charging input power [W]	120			
Max solar charging input power [W]	300			
DC input voltage range [V]	10~42			
Max DC/PV input current [A]	10			
AC Output				
Nominal AC Power [W]	1500		2000	
Surge power [W]	2700		3600	
Nominal Grid Voltage [Vac]	120	230	120	230
Nominal Grid Frequency [Hz]	60	50	60	50
Max.AC Current [A]	20.8	10.8	27.5	14.3
Nominal AC Current [A]	12.5	6.5	16.7	8.7
THDv at Nominal Power	<1.5%			
DC Output				
USB-A (x1)	12.5w, 5V, 2.5A			
QC3.0 (x2)	28w, (5V, 9V, 12V), 2.4A			
USB-TypeC (x2)	100w, (5V, 9V, 12V, 20V), 5A,			
Car port and DC port totally max output power	120w			
Car port (x1)	120w, 13.5V, 10A			
DC port (x2)	120w, 13.5V, 10A			
Other features				
LED light	3w			
LCD	97mm*48mm			
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Battery to AC Max[%]	93.5	92.3	93.5	92.3
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Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; inverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage;			
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Noise[dB]	<65dB			
Communication interface	WiFi			