

Product parameters

Model	Singo600		Singo1000	
	110Vac	220Vac	110Vac	220Vac
Battery Input				
Battery Input nominal voltage [V]	22.5			
Battery Input voltage range[V]	18.2~26			
Battery capacity [Wh]	672		1008	
Nominal charging current [A]	25A		36A	
Nominal discharging current [A]	30A		45A	
Max discharging current [A]	30A		45A	
Life cycles (@25°C, 1C discharge)	2000			
AC Input				
AC charging power [W]	500		800	
Nominal voltage[Vac]	110	220	110	110
Voltage range[V]	90~140	180~260	90~140	90~140
Nominal Frequency[Hz]	60	50	60	60
Frequency range[Hz]	55~65	45~55	55~65	55~65
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]	600		1000	
Surge power [W]	1800		3000	
Nominal Grid Voltage [Vac]	110	220	110	220
Nominal Grid Frequency [Hz]	60	50	60	50
Max.AC Current [A]	16.4	8.2	27	13.5
Nominal AC Current [A]	5.5	2.7	9	4.5
THDv at Nominal Power	<1.5%			
DC Output				
USB-A (x1)	12.5w, 5V, 2.5A			
QC3.0 (x2)	28w each, (5V, 9V,12V), 2.4A			
USB-TypeC (x2)	100w each, (5V, 9V, 12V, 20V), 5A,			
Car port and DC port totally max output power	120w			
Car port (x1)	120w, 12V, 10A			
DC port (x2)	120w, 12V, 10A			
Other features				
LED light	3w			
LCD	82mm*48mm			
wireless charger	10w			
Parallel output	Optional			
Efficiency				
Battery to AC Max[%]	92.5	93.0	92.5	93
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]	340*272*198			
Weight [Kg]	8.8		10.8	
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			
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