4 - Technical Data -

Designation	i-700	i-1000
Generator		
Type	Permanent magnet rotor, brushless, gearless, maintenance-free	
Weight [kg]	18	21
Max. power	12V 45A 24V 25A 48V 13A	24V 40A 48V 17A
Open circuit voltage [VAC]	[12V] 0 - 40 [24V] 0 - 80 [48V] 0 - 180	[24V] 0 - 110 [48V] 0 - 190
Current	3-phase	
Start of charging	Approx. 3 m/s (wind speed)	
Housing material	Aluminium	
Direction of rotation	Any	
Test standard	EN 61000-6-1 (electromagnetic compatibility – susceptibility)	
	EN 61000-6-3 (electromagnetic compatibility – emissions)	
Rotor blades		
Hub flange	Plastic	Aluminium
Diameter, approx. [m]	1.86	2.20
Rotor Blades	3 pieces of plastic with glass fiber mixture	
Approx. weight per rotor blade [g]	620	720
Blade Color	Black or White	
Direction of Rotation	from the front in a clockwise direction	
Max. Speed [rpm]	1300	1000
Noise emissions [dB(A)]	40	40 (carbon blade) 60 (composite blade)

Table 7 Technical data