

Technical datasheet INTILION | scalecube (skid solution)

Layout	1 Skid	2 Skids	3 Skids	4 Skids	
Configuration*1	4 Racks*2	1.490 kWh	2.981 kWh	4.472 kWh	5.963 kWh
	5 Racks	1.863 kWh	3.727 kWh	5.590 kWh	7.454 kWh
	6 Racks	2.236 kWh	4.472 kWh	6.708 kWh	8.944 kWh
	7 Racks	2.608 kWh	5.217 kWh	7.826 kWh	10.435 kWh
	8 Racks	2.981 kWh	5.963 kWh	8.944 kWh	11.926 kWh
Power	600 kVA – 3260 kVA	1200 kVA – 6520 kVA	1800 kVA – 3750 kVA	2400 kVA – 7500 kVA	
General data					
System type	AC-coupled system				
Operating mode	Grid-connected-operation (GCO), grid-forming -operation (GFO)				
Communication standards	Modbus TCP/IP, cloud connection*3				
Applications	Setpoint setting, grid-serving applications, integration of renewable energies *4				
Electrotechnical data					
Energy content, nominal	1.490 – 2.981 kWh	2.981 – 5.963 kWh	4.472 – 8.944 kWh	5.963 – 11.926 kWh	
Energy content, useable	90% DoD of nominal des nominalen Energieinhalts				
Power factor	cos(φ) = 0 induktiv – 1 - 0 kapazitiv				
Voltage, nominal	Depending on the transformer and inverter used				
Frequency	50 Hz				
Grid type	IT grid*5				
Lightning protection class	class 3				
Battery data					
Cell type	Lithium-Ionen (LFP), prismatic				
Battery DC voltage, nominal	up to 1500 V				
Round trip efficiency (RTE)	> 85%*6				
Climatisation	Liquid cooled modules				
Installation data					
Weight (approx.)	<40.000 kg	<75.000 kg	<105.000 kg	<137.000 kg	
Dimension (L x W x H) *6	5300 x 3100 x 2600mm (4-6 Racks/Skid) 6500 x 3100 x 2600mm (7-8 Racks/Skid)				
Installation height	up to 1500 m NN				
Environmental temperature	-25 °C – +45 °C				
Humidity	<95% non condensing				
Noise emission	<92 dB within 1,2 m				
Color	RAL7035				
Anti-corrosion grade	at least C4 VH (excl. skid & cable trays)				
Performance					
Design Life	15 years				
Product warranty	3 years or energy throughput per rack 1.341.729 kWh*8				
Norms & Standards					
EU directives	2014/53/EU (RED), 2014/30/EU (EMC), 2014/35/EU (LVD)				
Norms & Standards	EN 300 328 V2.1.1, EN 61000-6-2, EN 61000-6-4, EN 62040-2, EN 61439-1, EN 61439-2, EN 62109-1, EN 62109-2, EN 62619, UN 38.3, VDE-AR-N 4120, VDE-AR-N 4110, EN 50549-1, TOR Erzeuger Typ A				
Country certifications	Germany, Spain, Belgium, Romania, UK, France, Italy, Ireland, Portugal*9				

*1 A skid is a system component with 4-8 racks. A complete system consists of 1-4 skids connected in parallel. The stated performances refer to a battery system incl. suitable inverter. Other configurations are possible on request. The maximum power is limited by the battery. Further scaling possible via parallelisation of systems

*2 The stated capacity can be reached with other combinations of skid/rack as well

*3 Internet connection to be provided by the customer

*4 Further applications on request

*5 Further grid types on request

*6 incl. transformer losses, inverter losses and battery losses

*7 Height without concrete strip foundation and per skid

*8 Whatever comes first, warranty extension on request

*9 Further country certifications on request