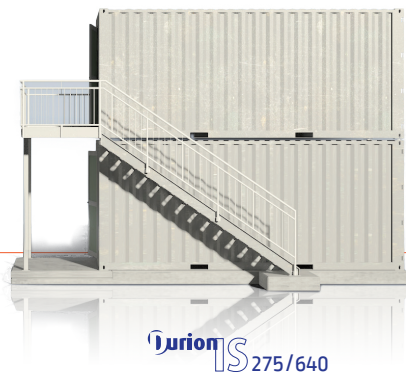


Data sheet

Industrial Storage



Jurion IS 275/640

Jurion IS 500/750

Jurion IS 1000/1280

Sizes	IS 275/640	IS 500/750	IS 1000/1280
Line-commutated connection data			
Nominal capacity in kVA	275	500	1.000
Max. charging and discharging power kW	275	500	1.000
Output voltage	400V	medium voltage	medium voltage
Nominal frequency	50/60Hz	50/60Hz	50/60Hz
Medium voltage transformer	optional	500 kVA	1000 kVA
Reactive power compensation 0.7 (over/under excitation)	x	x	x
Grid type (consumer side)	TT/TN-C/TN-S	medium voltage	medium voltage
Battery			
Storage technology	LiFePo4	LiFePo4	LiFePo4
Storage capacity kWh	640	750	1.280
Depth of discharge (DOD)	70%	70%	70%
Usable capacity in kWh	448	525	896
Performance warranty	5	5	5
Expected lifetime in complete cycles	7000	7000	7000
Battery management system (BMS)	passive	passive	passive
Certificates of battery cells	UN38.3	UN38.3	UN38.3
Efficiency			
Max. efficiency of inverter	97%	97%	97%
Efficiency of entire system	90%	90%	90%
Self-discharge per month	3%	3%	3%
Operating modes/functions			
Load guided self-consumption	x	x	x
Voltage leaded	x	x	x
Frequency leaded	x	x	x
Road map	x	x	x
Load management	x	x	x
Emergency power supply (optional)			
Nominal capacity in kVA	275	500	1.000
Max. charging and discharging power kW	275	500	1.000
Output voltage	400 V	medium voltage	medium voltage
Nominal frequency	50/60Hz	50/60Hz	50/60Hz
Non-linear driving capability	x	x	x
Ability for rotary current	100%	100%	100%
Reactive power compensation 0.7 (over/under excitation)	x	x	x
Communication/interfaces			
Display 4 inch, 16:9 Touch	x	x	x
Data monitoring, local	x	x	x
Data monitoring, central server	x	x	x
Remote maintenance	x	x	x
Interface to the central server		IEC 60870-5-104 (VHP ready optional)	
Standards and regulations			
Entire system		DIN EN 61439-1 and 2	
EMC (electromagnetic conformity)		DIN EN 61000-6-3:2011; DIN EN 61000-6-2:2006	
Circuit feedback		DIN EN 61000-3-2:2006; DIN EN 61000-3-3:2008	
Switching station		IEC 62271	IEC 62271
EC declaration of conformity	yes	yes	yes
TÜV-certified	i.p.	i.p.	i.p.
Setup conditions			
Protection class according to IEC 60529	IP44	IP44	IP44
Ambient temperature in C°	-20 to +45	-20 to +45	-20 to +45
Size of container	30 ft	2 x 20 ft	2 x 30 ft
Air conditioning	AC	AC	AC
Auxiliary power	400V	400V	400V
Weight in tons	9,5	14	24