




 **QINOUS** Lithium-Ion Energy Storage Solutions

QINOUS ESS QCompact L

SMALL-SCALE ENERGY STORAGE REDEFINED

DATASHEET

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PLUG. PLAY. CONFIGURE YOURS.

Racks	1	2	3	4	5	6
0,5c		185 kWh		370 kWh		555 kWh
1c	89 kWh	178 kWh	267 kWh	356 kWh	445 kWh	534 kWh
2c	70 kWh		210 kWh			
40 kVA						
60 kVA						
80 kVA						
100 kVA						
150 kVA						
200 kVA						
250 kVA						
300 kVA						
400 kVA						

2c
 1c
 0,5c

Our QCompact Storage System includes the following:

- > TN-S / TN-C Gridform
- > 50 / 60 Hz Grid Frequency
- > λnom -1 - 1
- > Min ambient temperature -20 C
- > Max ambient temperature 40 C
- > Black Start Capability
- > C3/C5M optional Corrosion protection
- > Humidity - 100% condensing
- > Max operation altitude: 2,000 m
- > Nominal Round Trip Efficiency (w/o HVAC) - 88 ηnom



QINOUS ESS QCOMPACT L

	VALUE	SIGN	QCompact L
Battery	Nominal Capacity	Cnom	up to 440 kWh
Electrical	Nominal Active Power	Pnom	200 - 400 kW
	Nominal Apparent Power	Snom	200 - 400 kVA
	Max Active Power (1 min)	Ppeak	300 - 600 kW
	Max Apparent Power (1 min)	Speak	300 - 600 kVA
	Nominal Gridvoltage	Unom	400 V (other voltages on request)
	AC Short Circuit Capability	Ishort	17 kA
Interface	Supported Communication Protocol		Modbus-IP Modbus-RTU IEC 60870-5-104 IEC 61850 DNP3
	Supported Communication Channels		3G/4G 100MB/sec CAT5
Housing	width (foundation)	W	2.20 m
	width (max)	Wmax	2.23 m
	height	H	2.40 m
	length	L	3.0 m
	Protection Class Battery Room		IP65
System	Weight		5 - 7.4 tonnes