

Technical specification

512NESP160			51216082 MPLHE5128082	
Module			System	
			Modules/String	10
			Configuration	160S1P
Nominal voltage	V	51.2	V	512
Capacity	Ah	160	Ah/String	160
Weight (cabinet)	Kg/lbs	73.8 / 162	Kg/lbs	1080 / 2380
Weight (w/packaging)			Kg/lbs	1130 / 2491
Charge current (Max)	A	160	A	160
Discharge current (Max)	A	320	A	320
Charge voltage	V	56.2	V	562
Discharge voltage	V	44	V	440
Dimensions	Width, (mm/in)	415 / 16.3	Rack Width (mm/in)	1050 / 41.3
	Depth, (mm/in)	600 / 23.6	Rack Depth (mm/in)	700 / 27.6
	Height, (mm/in)	265 / 10.4	Rack Height (mm/in)	1872 / 73.7
	Charge	0 °C to 55 °C		
Recommended temperature range	Discharge	-20 °C to 55 °C		
	Storage	-10 °C to 40 °C		
	Operating	15 °C to 35 °C		
Cell chemistry	LiFePO4			
Voltage range				440 V-562 V
SOC recommended storage	40-60%			
SOC recommended operation			see cycle life chart	
Nominal energy				82 kWh
Standard charging current				80 A
Maximum discharging power				164 kW
End of discharge voltage				440 V
End of charge voltage (floating charge voltage)				562 V
Maximum humidity				< 95%
Recommended humidity				45%
Altitude				≤2000 m
Protection class				1
Pollution degree				2
Overvoltage category				1
Ingress protection				IP20
AC auxiliary details				84-265 VAC 50-60 Hz, 240 W
Communication				Modbus, TCP/IP



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