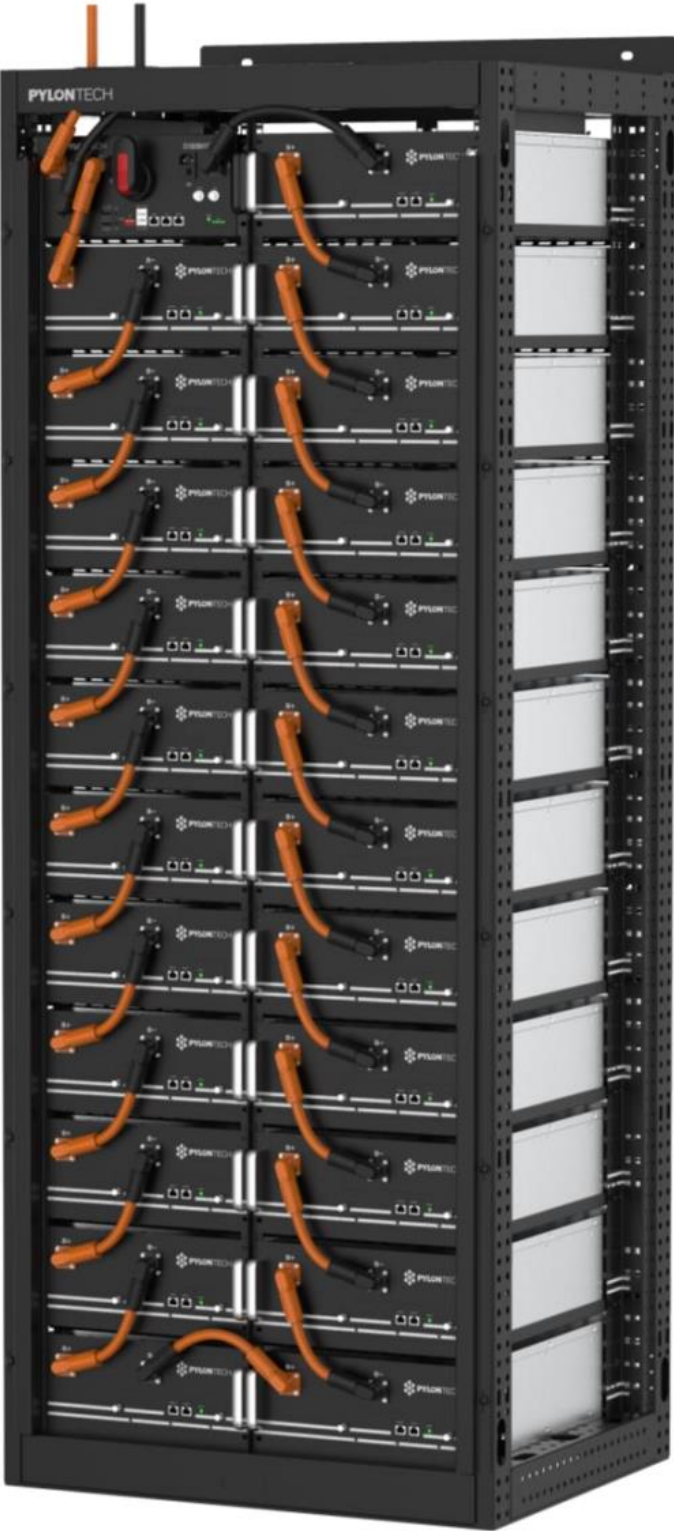




M1C SPECIFICATION



Product Type	PowerCube-M1-C
System Voltage (Vdc)	<1000
Controller Type	SC1000-200J-C (Internal Power Supply Version)
Battery Module Type	H32148-C
Nominal Voltage (Vdc)	32 × n (where n = 1~25)
Rated Capacity(Ah)	148
Total Storage Energy(kWh)	4.736 × n (where n = 1~25)
Charge Upper Voltage (Vdc)	36 × n (where n = 1~25)
Discharge Lower Voltage (Vdc)	27 × n (where n = 1~25)
Nominal Current(Amps)	74
Max. Continuous Current(Amps)	148
Peak Current(Amps)	220@15sec
OverCurrent/Duration(Amps/ms)	8000/2
IP Rating/Protection Class	IP20/I
Operation temp. range(°C)	10 ~ 40
Communication type	CANBUS/Modbus RTU/TCP/IP
Storage temp. range(°C)	-20 ~ 60
Humidity (%)	5 – 95 (without condensing)
Round-trip efficiency (% , @1C-rate)	95
Depth of Discharge (%)	95
Weight	114+ 43×n (where n = 1~25) kg
Operation cycle life	>7,000
Operation Life(Years)	15+
IP rating	IP20
Cooling type	Natural cooling
Altitude [m]	<4,000
Certification	UL1973, UL9540A, IEC62477-1, IEC62040-1, IEC62619, IEC63056, UKCA, CE LVD, CE EMC, UN38.3, VDE-AR-E 2510-50



M5 SPECIFICATION



Product Model	PowerCube-M5A-64/zzzV-L15	PowerCube-M5A-64/zzzV-E15
System Voltage (VDC)	<1500	<1500
Controller Type	S1500M5A180L (External Power Supply Version, UL version) Isolating switch	S1500M5A180E (External Power Supply Version, EU version) Circuit breaker
Battery Module Type	HM5A180F	HM5A180F
Nominal Voltage (VDC)	64× n (where n = 1~21)	64× n (where n = 1~21)
Rated Capacity (Ah)	245	245
Total Storage Energy (kWh)	15.68× n (where n = 1~21)	15.68 × n (where n = 1~21)
Upper limit Charge Voltage (VDC)	71 × n (where n = 1~21)	71 × n(where n = 1~21)
Lower limit Discharge Voltage (VDC)	58× n (where n = 1~21)	58× n (where n = 1~21)
Nominal Current (Amps)	122.5	
Max. Continuous Current (Amps)	180	
Peak Current (Amps)	<210A for 5 minutes <500A for 30 seconds	
Over Current/Duration (Amps/ms)	14000A/2ms	
IP Rating/Protection Class	IP20/I	
Operation temp. range(°C)	10 ~ 40	
Communication Protocol	CANBUS/Modbus RTU/Modbus TCP/IP	
Storage temp. range(°C)	-20 ~ 50	
Humidity(%)	5 – 95 (without condensing)	
Round-trip efficiency (%, @0.5 C-rate)	96	
Depth of Discharge(%)	95	
Dimensions (mm) for HQ container**	1050(W)*925(D)*2215(H) (rack for 2*1~11pcs)	1050(W)*925(D)*2215(H) (rack for 1~11pcs)
Dimensions (mm) for GP container***	1050(W)*925(D)*1965(H) (rack for 1~21pcs)	1050(W)*925(D)*1965(H) (rack for 1~21pcs)
Weight (kg)	210+ 115×n (where n = 1~21)	210+ 115×n (where n = 1~21)
Design cycle life (cycle)****	>7,000	
Design Life(year)	15+	
Cooling type	FAN cooling	
Altitude (m)	<4,000	
Certifications for UL (BMS: S1500M5A180L)	UL1973, UL9540A, UL9540, IEC62477-1, IEC62040-1, IEC62619, IEC63056, UKCA, CE LVD, CE EMC, UN38.3, VDE-AR-E 2510-50	
Certifications for EU	IEC62477-1, IEC62040-1, IEC62619, IEC63056, UKCA, CE LVD, CE EMC, UN38.3, VDE-AR-E 2510-	