E-Mate-Indoor

E-MATE 114R
E-MATE 129R / E-MATE 143R

Features

- Overview： Indoor battery rack with IP20 protection level, inbuild lithium-ion battery and BMS.
- Easy Installation and Maintenance： Local and remote management, standard rack&module design, front maintenance.
- Safe & Reliable： Self-developed 2-level / 3-level BMS, multiple protection, safe and reliable.
- High Density： High capacity LFP battery.
- Long Lifespan： Long cycle life, 6000 cycles.
- Cell Balancing Technology： Advanced cell balancing.

MODEL	E-MATE 114R	E-MATE 129R	E-MATE 143R
PERFORMANCE			
Battery module (Wh/V)	14.336 kWh, 51.2 V, 110 kg (242.5 lbs)		
Number of modules	8	9	10
Cell technology	LFP(LFeFO4)	LFP(LFeFO4)	LFP(LFeFO4)
Battery usable energy [1]	114.688 kWh	129.024 kWh	143.36 kWh
Nominal voltage	409.6 V	460.8 V	512 V
Operating voltage	358.4- 449.28 V	403.2 - 505.44 V	448 - 561.6 V
Nominal output current	140 A / 280 A	140 A / 280 A	140 A / 280 A
COMMUNICATION			
Display	SOC status indicator, LED indicator,LCD display		
Communication	Ethemet/CAN / RS485		
GENERAL SPECIFICATION			
Dimension (W*D*H)	1164×840×1776 mm		
	45.8×33.1×69.9 inch		
Weight	1130 kg (2491.2 lbs)	1240 kg (2733.7 lbs)	1350 kg (2976.2 lbs)
Operating temperature [2]	-20 to 60°C (-4 to 140°F)		
Environmental humidity	≤ 95%RH (No condensation)		
Protection rating	IP 20		
Cycle life [3]	6000 Cycles or ten (10) years @ 80% DOD / 25℃ / 0.5C, 60% EOL		
Scalability	Yes		
Application	ON Grid / ON Grid + Backup / OFF grid		
Compatible inverters	Refer to compatible PCS list		
STANDARD COMPLIANCE			
	UN38.3 / IEC62619 /UL 1642 /JET		
	Pack:UN38.3 / IEC62619 /IEC61000		
ORDERING AND DELIVERABLE PART			
Part	E-MATE-14.3-QC		
	E-MATE-BCU-M-200-QC	E-MATE-BCU-M-215-QC	E-MATE-BCU-M-229-QC
	E-MATE-R18		

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25℃

[2] Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃ & 45v to 55℃.

[3] Please refer to the Warranty Letter for applicable conditions, the warranty is due whichever comes first.

Product continues to iterate, specifications may be updated without prior notice.