



2.2 Specifications

2.2.1 Specifications1(16 series cells)

Item	R-XL010021 (-H)	R-XL015031 (-H)	R-XL020041 (-H)	R-XL025051 (-H)	R-XL030061 (-H)
Controller Model	R-MC300-XTL01				
Battery Module Model	R-EM51100-XTL01 (-H)				
Battery Chemistry	LiFePO4				
Module Quantity	2	3	4	5	6
Nominal Energy (kWh)	10.24	15.36	20.48	25.60	30.72
Nominal Capacity (Ah)	200	300	400	500	600
Max. Charging/Discharging Current (A)	190	285	300	300	300
Nominal Voltage (V)	51.2				
Recommend Charging Voltage (V)	56.8				
Max. Charging Voltage (V)	58.4				
Discharge Cut-off Voltage (V)	43.2				
Heating Film Resistance(Ω)	16 per module (-H model only)				
Heating Start Temperature (°F/°C)	41/5 (-H model only)				
Operation Temperature(°F/°C)	Discharge: -4~122 / -20~50 Charge: 32~122 / 0~50				
Safety Function	Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections				
Parallel Capacity	Maximum 30 Clusters				
Communication	RS485/CAN/Wi-Fi				
Weight (lbs/kg)(Approx.)	311/141	428/194	545/247	661/300	778/353
Physical Dimensions (inches/mm)(W*D*H)	25.0*10.6*31.3 /635*268*795	25.0*10.6*40.3 /635*268*1023	25.0*10.6*49.2 /635*268*1250	25.0*10.6*58.2 /635*268*1478	25.0*10.6*67.1/ 635*268*1705
Level of Protection	IP65				



2.2.2 Specifications2(15 series cells)

Item	R-XL009021 (-H)	R-XL014031 (-H)	R-XL019041 (-H)	R-XL024051 (-H)	R-XL028061 (-H)
Controller Model	R-MC300-XTL01				
Battery Module Model	R-EM48100-XTL01 (-H)				
Battery Chemistry	LiFePO4				
Module Quantity	2	3	4	5	6
Nominal Energy (kWh)	9.6	14.4	19.2	24	28.8
Nominal Capacity (Ah)	200	300	400	500	600
Max. Charging/Discharging Current (A)	190	285	300	300	300
Nominal Voltage (V)	48				
Recommend Charging Voltage (V)	53.25				
Max. Charging Voltage (V)	54.75				
Discharge Cut-off Voltage (V)	40.5				
Heating Film Resistance(Ω)	16 per module (-H model only)				
Heating Start Temperature (°F/°C)	41/5 (-H model only)				
Operation Temperature(°F/°C)	Discharge: -4~122 / -20~50 Charge: 32~122 / 0~50				
Safety Function	Over-charge, Over-discharge, Over-current, Low/High-temperature, Short-circuit Protections				
Parallel Capacity	Maximum 30 Clusters				
Communication	RS485/CAN/Wi-Fi				
Weight (lbs/kg)(Approx.)	308/139.5	424/192.5	541/245.5	658/298.5	775/351.5
Physical Dimensions (inches/mm)(W*D*H)	25.0*10.6*31.3 / 635*268*795	25.0*10.6*40.3 / 635*268*1023	25.0*10.6*49.2 / 635*268*1250	25.0*10.6*58.2 / 635*268*1478	25.0*10.6*67.1 / 635*268*1705
Level of Protection	IP65				