



Rack Mounted LiFePO4 Battery Module Series (PM-LV) / OEM

for Home, Industrial and Commercial Use



Redway Battery Lithium Battery Modular Series with state of the art modular solutions in terms of Energy and Output Power. RP modular series comes with 8,000 cycle life, built in BMS for each module and cell level monitoring and balancing.



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Model	PM-LV4850-2U-PRO	PM-LV5150-2U-PRO	PM-LV4850-3U	PM-LV5150-3U
Cell Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	48V	51.2V	48V	51.2V
Nominal Capacity	50Ah	50Ah	50Ah	50Ah
Norminal Energy	2.4kWh	2.56kWh	2.4kWh	2.56kWh
Dimension (L*W*H)	440*410*88.5 mm 17.32*16.14*3.48 inch	440*410*88.5 mm 17.32*16.14*3.48 inch	440*330*134 mm 17.32*12.99*5.28 inch	440*330*134 mm 17.32*12.99*5.28 inch
Weight	22kg (48.5 lbs)	23kg (50.7 lbs)	24kg (52.9 lbs)	25kg (55.1 lbs)
Charge Cut-off Voltage	54.75V	58.4V	54.75V	58.4V
Discharge Cut-off Voltage	37.5V	40V	37.5V	40V
Maximum Charge Current	50A (1C)	50A (1C)	50A (1C)	50A (1C)
Maximum Discharge Current	50A (1C)	50A (1C)	50A (1C)	50A (1C)
Operating Temperature	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C
Cycle Life (25°C @80%DOD)	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles
Ingress Protection	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP21 (Higher grade optional)
Design Life	20 Years (10 Years Warranty)	20 Years (10 Years Warranty)	20 Years (7 Years Warranty)	20 Years (7Years Warranty)
Communication	CAN/RS485	CAN/RS485	CAN/RS485	CAN/RS485
Compatible Inverters	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.
Max. Parallel Connection	Up to 15 units	Up to 15 units	Up to 16 units	Up to 16 units
Certifications	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE



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Model	PM-LV48100-3U-PRO	PM-LV51100-3U-PRO	PM-LV48100-3U	PM-LV51100-3U
Cell Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Nominal Voltage	48V	51.2V	48V	51.2V
Nominal Capacity	100Ah	100Ah	100Ah	100Ah
Norminal Energy	4.8kWh	5.12kWh	4.8kWh	5.12kWh
Dimension (L*W*H)	440*420*134 mm 17.32*16.53*5.28 inch	440*420*134 mm 17.32*16.53*5.28 inch	440*420*134 mm 17.32*16.53*5.28 inch	440*420*134 mm 17.32*16.53*5.28 inch
Weight	40kg (88.2 lbs)	42kg (92.6 lbs)	40kg (88.2 lbs)	42kg (92.6 lbs)
Charge Cut-off Voltage	54.75V	58.4V	54.75V	58.4V
Discharge Cut-off Voltage	37.5V	40V	37.5V	40V
Maximum Charge Current	100A (1C)	100A (1C)	100A (1C)	100A (1C)
Maximum Discharge Current	100A (1C)	100A (1C)	100A (1C)	100A (1C)
Operating Temperature	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C	Charging: 0°C ~ 55°C Discharge: -20°C ~ 60°C
Cycle Life (25°C @80%DOD)	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles	> 8000 Cycles
Ingress Protection	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP21 (Higher grade optional)	IP21 (Higher grade optional)
Design Life	20 Years (10 Years Warranty)	20 Years (10 Years Warranty)	20 Years (7 Years Warranty)	20 Years (7 Years Warranty)
Communication	CAN/RS485	CAN/RS485	CAN/RS485	CAN/RS485
Compatible Inverters	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.	Victron/SMA/Goodwe/Solis/ SAJ/Growatt/Luxpower/SRNE/ Voltronic/Deye/etc.
Max. Parallel Connection	Up to 16 units	Up to 16 units	Up to 16 units	Up to 16 units
Certifications	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE	UL 1642/IEC 62619/UN38.3/CE

