



Model	EP-4810	EP-4820	EP-4830	EP-4840	EP-4850	EP-4860	EP-4880	EP-48100
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Nominal Characteristics

Battery type	Lithium Iron phosphate battery (LiFePO ₄)							
Rated voltage	48V							
Rated capacity	10 AH	20 AH	30 AH	40 AH	50 AH	60 AH	80 AH	100 AH
Typical energy	0.5 KWh	1 KWh	1.5 KWh	2 KWh	2.5 KWh	3 KWh	4 KWh	5 KWh
Recomm. Charge current	2 A	4 A	6 A	8 A	10 A	12 A	16 A	20 A
Max. charge current	10 A	20 A	30 A	40 A	50 A	50 A	80 A	100 A
Charging current limit in parallel use	2 A	5 A	10 A	10 A	10 A	10 A	20 A	20 A
Operating voltage window	40.5V to 54.75V							
Max. discharge current	10 A	20 A	30 A	40 A	50 A	60 A	80 A	100 A
BMS with equalization	Yes							
Communication	RS232/RS485							

Physical Characteristics

Length (without handles)	440 mm (17.3")							
Length (with handles)	483 mm (19.0")							
Depth	312mm (12.6")	312mm (12.6")	325mm (12.8")	385mm (15.1")	385mm (15.1")	400mm (15.8")	400mm (15.8")	385mm (15.1")
Height	45 mm (1U)	88mm (2U)	133 mm (3U)	133 mm (3U)	133 mm (3U)	177mm (4U)	221 mm (5U)	221 mm (5U)
Weight	9 kg	15 kg	20 kg	23 kg	26 kg	32 kg	40 kg	48 kg

Operating Conditions

Cycle life (100% DOD; +25°C/+77°F)	≥ 3000 cycles
Discharge temperature	-20°C to +60°C
Charge temperature	0°C to +60°C
Storage temperature	-40°C to +65°C
Parallel ability	Support max. 15 modules in parallel connection to expansion