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Prime Power Technology (Wuxi) Co.,Ltd.

PACELINK Battery Energy Storage System

Model No.	PLBS-5/10	PLBS-10/20	PLBS-15/30	PLBS-15/30-3	PLBS-30/60-3	PLBS-45/90-3
Phase	Single Phase	Single Phase	Single Phase	Three Phase	Three Phase	Three Phase
HMI Display	14"	14"	14"	14"	14"	14"
Rated frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated voltage	220/230/240 VAC	220/230/240 VAC	220/230/240 VAC	380/400/415 VAC	380/400/415 VAC	380/400/415 VAC
Operating temperature - discharge (min)	0 °C	0 °C	0 °C	0 °C	0 °C	0 °C
Operating temperature - discharge (max)	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C
Operating temperature - charge (min)	0 °C	0 °C	0 °C	0 °C	0 °C	0 °C
Operating temperature - charge (max)	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C
Altitude capability	2000 m	2000 m	2000 m	2000 m	2000 m	2000 m
Relative air humidity maximum	80%	80%	80%	80%	80%	80%
Rated power (0.8 power factor)	4 kW	8 kW	12 kW	24 kW	12 kW	36 kW
Rated apparent power	5 kVA	10 kVA	15 kVA	30 kVA	15 kVA	45 kVA
Rated voltage line to line (V)	220/230/240 VAC	220/230/240 VAC	220/230/240 VAC	380/400/415 VAC	380/400/415 VAC	380/400/415 VAC
Input voltage range	180 - 260 VAC	180 - 260 VAC	180 - 260 VAC	315 - 450 VAC	315 - 450 VAC	315 - 450 VAC
Output voltage range	Adjustable 220-240 VAC	Adjustable 220-240 VAC	Adjustable 220-240 VAC	Adjustable 380- 415 VAC	Adjustable 380- 415 VAC	Adjustable 380- 415 VAC
Inverter Rated current (A)	20 A	40 A	60 A	20 A	40 A	60 A
Inverter Quantity	1 pc	1 pc	1 pc	3 pcs	3pcs	3 pcs
When AC source is available, output voltage is synchronized with input	50 A	100 A	100 A	50 A	100 A	100 A
Nominal Energy	10.08 kWh	20.16 kWh	30.24 kWh	30.24 kWh	60.48 kWh	90.72 kWh
Net Energy	9.07 kWh	18.14 kWh	27.22 kWh	27.22 kWh	54.43 kWh	81.65 kWh
Battery						
Voltage	48 V	48 V	48 V	48 V	48 V	48 V
Nominal capacity	5040 Wh	5040 Wh	5040 Wh	5040 Wh	5040 Wh	5040 Wh
C-rated discharge	0.5	0.5	0.5	0.5	0.5	0.5
Max. Usable Capacity (100 -- 10% SOC)	4536 Wh	4536 Wh	4536 Wh	4536 Wh	4536 Wh	4536 Wh
Usable Capacity (100 -- 10% SOC)	4536 Wh	4536 Wh	4536 Wh	4536 Wh	4536 Wh	4536 Wh
Modules	2 pcs	4 pcs	6 pcs	6 pcs	12 pcs	18 pcs
Life Time N° Cycles (@25°C, 90% DoD, 0.5C, 70%EOL)	6000 cycles	6000 cycles	6000 cycles	6000 cycles	6000 cycles	6000 cycles
Maximum Deep Of Discharge (DoD)	90 %	90 %	90 %	90 %	90 %	90 %
Battery balanced (recharge up to 100%)	Once per month	Once per month	Once per month	Once per month	Once per month	Once per month
Battery type	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)	LFP(LiFePO4)
MPPT In one Inverter						
MPPT voltage range	65-145 VDC	80-525 VDC	80-525 VDC	65-145 VDC	80-525 VDC	80-525 VDC
MPPT charger maximum efficiency	98%	97%	97%	98%	97%	97%
Max PV power on each inverter	6000 W	14000 W	17500 W	6000 W	14000 W	17500 W
Overall Dimension						
Length (L)	1150 mm	1150 mm	1750 mm	1750 mm	1750 mm	2300mm
Width (W)	1280 mm	1280 mm	1280 mm	1280 mm	1280 mm	1400mm
Height (H)	2070 mm	2070 mm	2070 mm	2070 mm	2070 mm	2200mm
Weight (KG)	676	788	1100	1105	1387	1950
Transportation						
Loading Quantity into a 20'GP Container	8 units	8 units	4 units	4 units	4 units	4 units
Loading Quantity into a 40'HQ Container	18 units	18 units	9 units	9 units	9 units	9 units