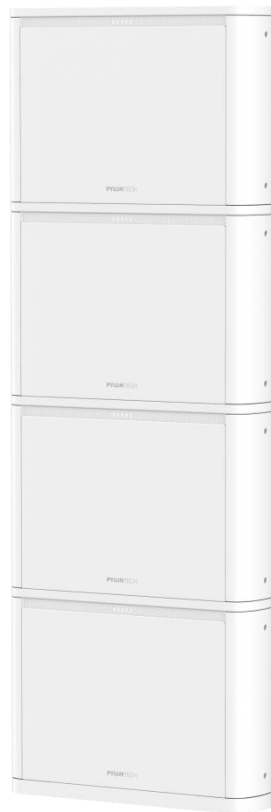




PYLONTECH



Pelio-L-5.12

SPECIFICATION (Pelio-L-5.12)

Basic Parameters	Pelio-L-5.12	Pelio-L-5.12 X 2	Pelio-L-5.12 X 3	Pelio-L-5.12 X 4
Nominal Voltage (V)	51.2			
Nominal Capacity (kWh)	5.12	10.24	15.36	20.48
Usable Capacity (kWh)	4.86	9.73	14.60	19.46
Depth of discharge (%)	95			
Dimension (H*W*D,mm)	395*578*165	395*578*330	395*578*495	395*578*660
Weight (kG)	45	90	135	180
Discharge Voltage (V)	44.8 ~ 56.8			
Charge Voltage (V)	56.0 ~ 56.8			
Recommend Charge/Discharge Current (A)*	50	100	150	200
BMS Charge/Discharge Current (A)*	80	160	240	320
Max. Charge/Discharge Current (A)	100	200	300	400
Pluse Charge/Discharge Current (A)	120~200@15sec	240~400@15sec	360~600@15sec	480~800@15sec
Rated DC Charge/Discharge Power(kW)	4.1	8.2	12.3	16.4
Communication	RS485, CAN,WI-FI (2.4G), USB 2.0			
Configuration (max. amount per system) **	20pcs of Pelio-L-5.12			
Working Temperature	0°C~50°C Charge			
	-10°C~50°C Discharge			
Shelf Temperature	0°C~40°C(6 months) -20°C~45°C(3 months)			
Short current/duration time	<2000A/1ms	<4000A/1ms	<6000A/1ms	<8000A/1ms
Cooling type	Natural			
Protective class	I			
IP rating of enclosure ***	IP65			
Humidity	5% ~ 95%(RH) No Condensation			
Altitude(m)	≤4000			
Design life ****	15+ Years (25°C/77°F)			
Cycle Life	>6,000@25°C			
Reference to standards	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973,U1642,UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3			

*: Derating depends on voltage, SOC and temperature

** : Each stack maximum 4 batteries and maximum 5 stacks

***: IP rating base on product finish installation properly follow this manual.

****: Design life is not equal to warranty period