

PELIO



Smaller Footprint

higher energy density benefit from latest LFP technology



Expandable

Modular design
Maximum 20*5.12kwh



High Power Efficiency

Continuous power 5.12kw
Peak power 6.14kw@15min
Peak power 10.24kw@15sec



Monitor 24/7

Real-time monitoring of battery charging and discharging, online system updates and maintenance



SPECIFICATION (Pelio-L-5.12)

Basic Parameters	Pelio-L-5.12
Nominal Voltage (V)	51.2
Nominal Capacity (Wh)	5120
Usable Capacity (Wh)	4864
Dimension (mm)	395*578*165
Weight (Kg)	45
Discharge Voltage (V)	44.8 ~ 56.8
Charge Voltage (V)	56.0 ~ 56.8
Recommend Charge/Discharge Current (A)	80
Max. Charge/Discharge Current (A)	100~120@15min
Peak Charge/Discharge Current (A)	120~200@15sec
Communication Port	RS485, CAN
Operation&Connection	WIFI*(2.4G), USB 2.0
Depth of discharge (%)	95
Configuration (max. in 1 battery group)	20pcs
Working Temperature	0℃~50℃ Charge -10℃~50℃ Discharge
Shelf Temperature	0℃~40℃ (6 months) -20℃~45℃ (3 months)
Short current/duration time	<4000A/2ms
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℃/77℉)
Cycle Life	>8,000 25℃
Reference to standards	IEC62619, IEC63056, IEC62040, IEC62477-1, UL1973, U1642, UL9540A, VDE2510-50, IEC61000-6-2, IEC61000-6-3, UN38.3