Unity Series
Residential Battery（LV）



Model	UX-5.1-LPB
Nominal Voltage (V)	51.2
Operating Voltage(V)	44.8~57.6
Capacity（Ah）	100
Nominal Capacity (kWh)	5.12
Nominal Charge/Discharge Current(A)	50/50
Max Charge/Discharge Current(A)	100/100
Depth of Discharge	95%
Battery Type	$LiFePO_4$
Fire Protection System	Built-in aerosol fire extinguisher
Structure	
Dimension(W*D*H)(mm)	483*555*130
Weight(Kg)	43
IP Rating	IP20
Installation	Wall mounted，Rack-mounted
Working environment	
Charge Working Temperature(℃)	0~55℃
Discharge Working Temperatue(℃)	-20~55℃
Altitude(M)	<2500
Humidity(RH)	5-95%（No condensation）
Communication/Warranty	
Communication Port	RS485,CAN
Warranty Period	5 years
Compatible Inverter List	Solis,Deye,Growatt,Victron,Afore,Goodwe,Voltronic,Gospower,Srne,Felicity...

Module Design
Up to 48 units in parallel
multiple installation methods

Exceptional Performance
100Ah LFP Cells
Max Charge/Discharge current : 100A

Safety and reliability
Intelligent Cells Balancing
Current-limiting Function
fireextinguishing system
Multiple protection

Smart and Easy Operation
No DIP switch
Automatic Address Allocation
WiFi 、BT module， OTA Function

CB, IEC62619,CE-EMC,EN61000;UKCA;UN38.3;MSDS