



FLUXX  
High Tech Home Batteries

MUBI



## DATASHEET

*MUBI-XXX-XXXXX*

Designed and manufactured by



**DARWIN**  
RENEWABLE ENERGY INNOVATOR





Extensive cycle life  
**(6000 cycles)**



Supports parallel  
operation  
(Up to 4 units)



Efficient automated  
production line,  
achieving optimum  
production quality



User-friendly one-button  
operation, automatic  
module ID assignment  
process



Remote diagnosis  
and real-time data  
monitoring

**Battery Data**

	BAT 5.12	BAT 6.12	BAT 6.50
Nominal Voltage	5.12 kWh	6.12 kWh	6.5 kWh
Normal Capacity	51.2 V	51.2 V	51.2 V
Usable Capacity	5.12 kWh	6.1 kWh	6.1 kWh
Depth of Discharge (D.O.D.)	4.86 kWh	5.7 kWh	5.7 kWh
Operating Voltage	95%	95%	95%
Standard Charging / Discharging Current	44.8 - 58.4 V DC	44.8 - 58.4 V DC	44.8 - 58.4 V DC
Max Charging / Discharging Current	50A	60A	64A
Rated Discharging Power	100A	100A	100A
Max Discharging Power	2.5kw	3kw	3.3kw
	5kw	5kw	5kw

**General**

	BAT 5.12	BAT 6.12	BAT 6.50
Dimension (W x D x H)	640 x 400 x 160 mm	640 x 400 x 160 mm	370 x 200 x 600 mm
Weight	49.5 KG	49.5 KG	58 KG
IP Protection			
Operating Temperature (*)	-0 - 45 C	-0 - 45 C	-10 - 50 C
Storage Temperature	-20 - 45 C	-20 - 45 C	-20 - 35 C

\*When the temperature is below 00C or above 450C, the performance will be limited)

**Features**

Cycle Life	> 6000 Cycles (25°, 90% DOD) > 8000 Cycles (25°, 80 % DOD) > 10000 Cycles > 12 years	> 6000 Cycles (25°, 90% DOD) > 8000 Cycles (25°, 80 % DOD) > 10000 Cycles > 12 years	> 6000 Cycles (25°, 90% DOD) > 8000 Cycles (25°, 80 % DOD) > 10000 Cycles > 12 years
Parallel Connection	up to 6 pcs = 30,72 kWh	up to 6 pcs = 30,72 kWh	up to 6 pcs = 39,00 kWh
Communication Port	CAN2.0B1CH, RS4851CH	CAN2.0B1CH, RS4851CH	CAN2.0B1CH, RS4851CH
Factory Warranty	10 Years	10 Years	10 Years
Cooling	Natural Cooling	Natural Cooling	Natural Cooling
Installation	Wall Mount / Floor Type	Wall Mount / Floor Type	Wall Mount / Floor Type

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\*Specifications are subject to change without further notification  
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info@darwinenergygroup.eu | www.darwinenergygroup.eu

**Certification**

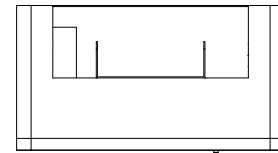
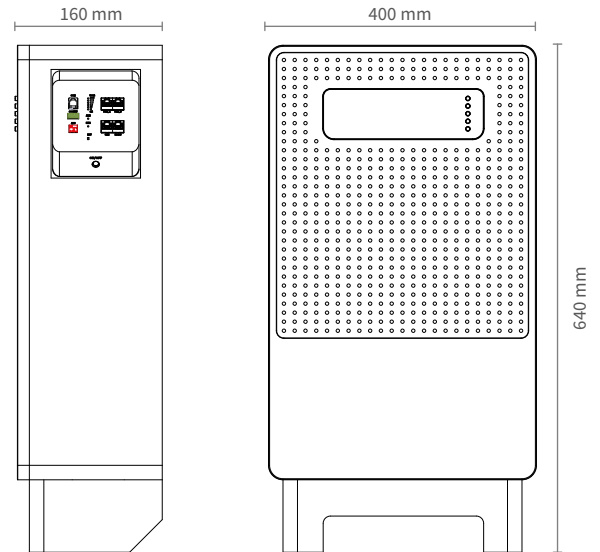
Cell Safety Certification	IEC62619 / UL1642
Pack Safety Certification	IEC62619
UN Transportation Test Standard	IEC61000-6-1
EMC	IEC61000-6-3

**Design life**

> 15 years (25°)

**Quality Control**

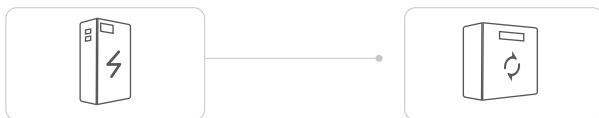
EU Quality control at  
Benelux + German test lab  
Control standard for > 10 000 cycles > 12 years



**BMS Compatibility Hybrid Inverter**

ZED by Darwin + Growatt + Solis + GoodWe + all Pylontech protocol hybrid inverters

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**Easy compatibility with Moebius inverters**

**Warranty**

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**EMON**  
Smart Energy Monitoring

Monitoring your Fluxx Battery since your phone easily

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