



Series: iMOD™

Features:

- Built with patented THiNCAPS™
- Front terminal connections
- ROHS and CE compliance
- Monitoring to help achieve long life

Applications:

- AGVs
- Robotics
- Harbor crane
- Industrial Equipment

Markets:

- Manufacturing
- Logistics
- Pharmaceutical
- Warehousing
- Distribution
- Logistics
- Shipping

Markings:

Products are marked with the following:

Rated capacitance, rated voltage, product number, name of manufacturer, positive and negative terminal marking.

Operating

Voltage, Rated	2.7 V/Cell
Voltage, Surge	2.85 V/Cell
Capacitance Tolerance	+10% / -0%

Temperature

Range, Operational	0°C to 50°C (at Rated Current)
Range, Storage	-25°C to 60°C

Life

DC	10 years, rated voltage, 25°C
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Endurance	1000 hrs, rated voltage, 70°C
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Shelf	1000 hrs, no voltage, 70°C
	$\Delta C < 20\%$ decrease, ESR < 100% increase
Cycle	>500,000 cycles, Rated to half rated voltage, 25°C
	$\Delta C < 20\%$ decrease, ESR, 100% increase

Standards Compliance

RoHS



Product Specifications

Part Number	iMOD054V062P3L-11A	iMOD059V062P3L-15A	iMOD054V062A3L-15A
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Electrical

Capacitance (F)	62	62	62
ESR, DC (mΩ) [3ms]	17	17	17
Overvoltage/Temp Monitor	Yes	Yes	Yes
Voltage Rated (V)	54	54	54
Peak Voltage	57	57	57

Cycling

Current, Peak [1s] (A)	815	815	815
Continuous Current (A)*	35	22	22
Current, Short Circuit (A)	3100	3100	3100

Management

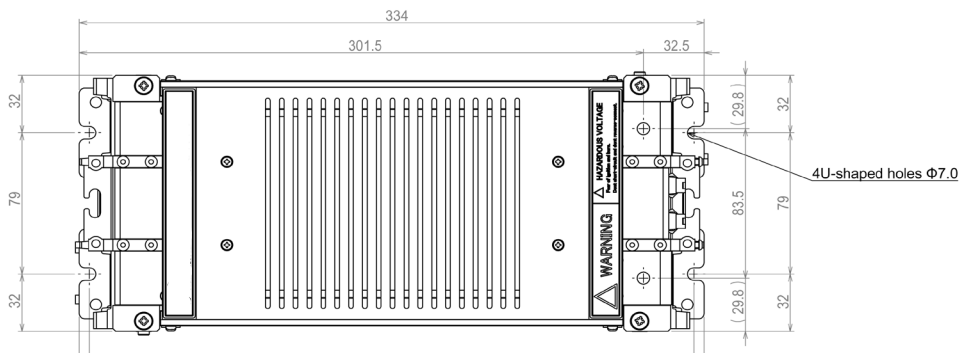
Balancing Method	Passive	Passive	Active
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Energy/Power

E_{\max} (Whr)	25	25	25
E_{\max} (Whr/kg)	3.1	3.1	3.1
E_{\max} (Whr/L)	2.2	2.8	2.8
P_{\max} (kW/kg)	5.4	5.4	5.4
P_{\max} (kW/L)	3.8	4.8	4.8
P_d (kW/kg)	2.6	2.6	2.6

Physical

W (mm) [max]	143	143	143
L (mm)	334	334	334
H (mm)	238	189	189
Mass (kg)	8	8	8
Volume (L)	11	9	9
Specials	FAN/Plastic Housing	Plastic Housing	Plastic Housing



Additional Technical Information

Product specification test methods available in separate document.

*Rated current = continuous current with 20°C temperature rise.



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